

Wizz Mathematics

SERIES

SRM

Aligned with SNC 2022-23

2



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2

PREFACE

Wizz Mathematics Series has been designed by a team of professional authors and educators having more than two decades of teaching experience to their credit. It is aligned with the Single National Curriculum, 2022-23 and aims at sharpening the holistic development of children through learner-centered approach. The series:

- ★ Guides students in a very simple way how to solve the cognitive tasks by creating a comfortable zone.
- ★ Encourages students to practice concepts with maximum practice space.
- ★ Involves students in interactive exercises and activities.
- ★ Helps students create a natural space for thinking through well-planned activities.

WHY WIZZ MATHEMATICS SERIES?

Wizz Mathematics Series is the best choice for students because it is:

- ★ Backed by practical experience and critical analysis of over 25 years.
- ★ Developed, designed and printed with the latest and modern techniques.
- ★ Available at economical prices keeping in view the post Covid-19 economic crisis.
- ★ Based on well-planned activities and systematically developed exercises.
- ★ Helpful for students to develop the 21st century life skills for a bright future.

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WIZZ PUBLISHERS

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Revision

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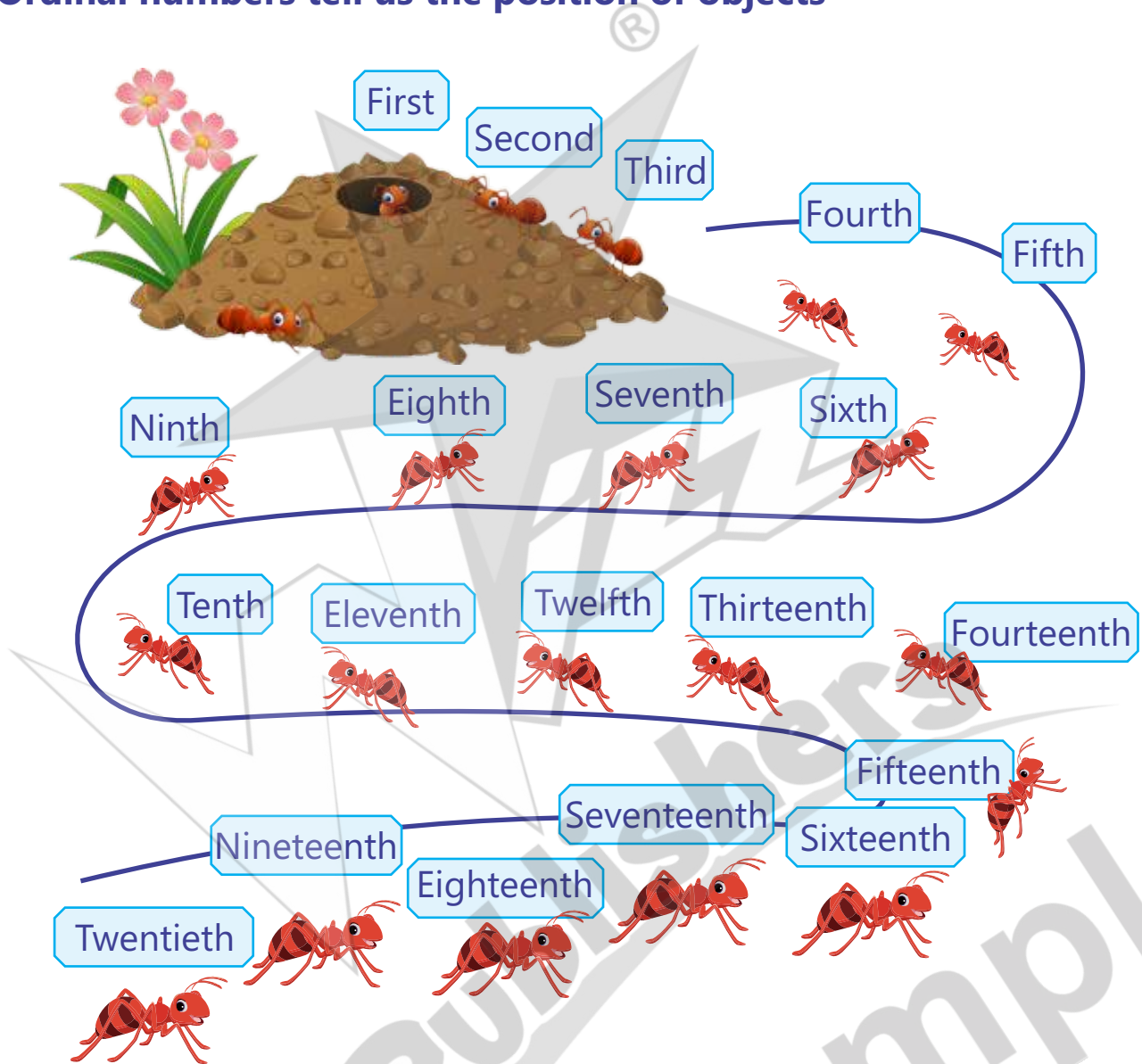
Student Learning Outcomes

After completing this unit, students will be able to:

- Write ordinal numbers from first to twentieth.
- Write numbers 1-100 in words.
- Read numbers up to 999.
- Write numbers up to 999 as numerals.
- Recognize the place value of a 3-digit number.
- Identify the place value of a specific digit in a 3-digit number.
- Compare 2-digit numbers with 3-digit numbers.
- Compare 3-digit numbers with 3-digit numbers.
- Count backward ten steps down from any given number.
- Arrange numbers up to 999, written in mixed form in ascending or descending order.
- Count and write in 10s.
- Count and write in 100s.
- Identify the smallest/greatest numbers in a given set of numbers.
- Recognize that 1000 is one more than 999 and the first 4-digit number.

Ordinal Numbers

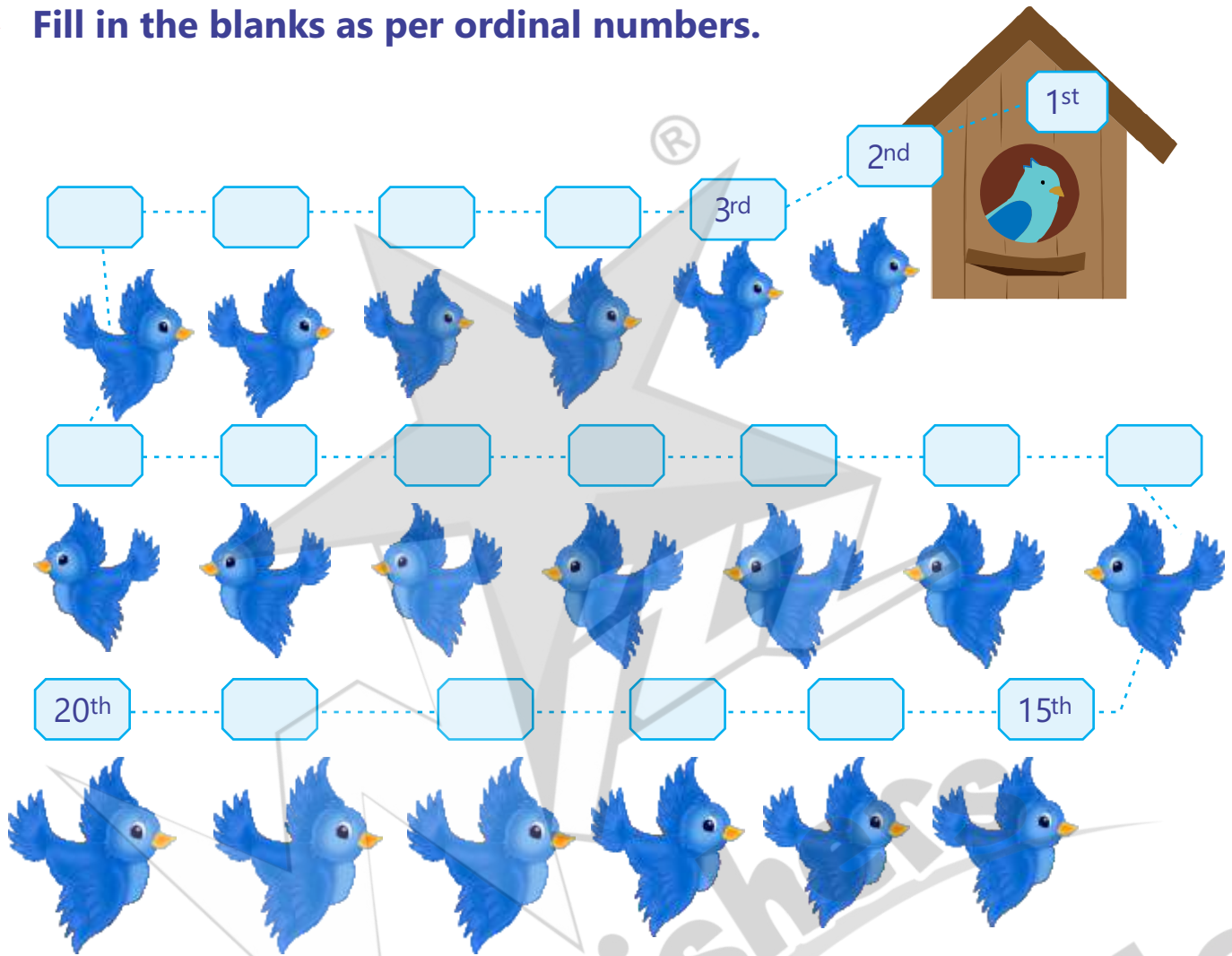
► Ordinal numbers tell us the position of objects



Teaching Point

For effective teaching and learning, use urdu or local language as medium of instruction to explain the concept of ordinal number. Ask the students to stand in a queue (or game) and explain their positions using ordinal numbers.

◆ Fill in the blanks as per ordinal numbers.



Order of Position

Which animal is the: ◆

- | | |
|------------------|-----------------|
| 1. Fourth _____ | 6. First _____ |
| 2. Seventh _____ | 7. Third _____ |
| 3. Second _____ | 8. Tenth _____ |
| 4. Sixth _____ | 9. Eighth _____ |
| 5. Ninth _____ | 10. Fifth _____ |



◆ Draw a line between the ordinal numbers to its ordinal word

1st	Fourth	6th	Eighth
2nd	Third	7th	Tenth
3rd	First	8th	Ninth
4th	Fifth	9th	Seventh
5th	Second	10th	Sixth

◆ Find and color

Color the 4th fish



Color the 1st rabbit



Color the 3rd beetle



Color the 2nd frog



Color the 5th starfish



Color the 6th butterfly



◆ Counting up to 100 in words ◆

◆ Let us read and write counting up to 100

1 One	2 Two	3 Three	4 Four	5 Five	6 Six	7 Seven	8 Eight	9 Nine	10 Ten
 Eleven	12 Twelve	 Thirteen	14 Fourteen	15 Fifteen	16 Sixteen	17 Seventeen	18 Eighteen	 Nineteen	
20 Twenty	21 Twenty-one	22 Twenty-two	23 Twenty-three	24 Twenty-four	25 Twenty-five	 Twenty-six			
27 Twenty-seven	28 Twenty-eight	29 Twenty-nine	30 Thirty	 Thirty-one	32 Thirty-two				

33 Thirty-three	34 Thirty-four	35 Thirty-five	36 Thirty-six	37 Thirty-seven	38 Twenty-eight
39 Twenty-nine	 Forty	41 Forty-one	42 Forty-two	43 Forty-three	44 Forty-four
45 Forty-five	46 Forty-six	 Forty-seven	48 Forty-eight	49 Forty-nine	 Fifty
51 Fifty-one	52 Fifty-two	53 Fifty-three	54 Fifty-four	55 Fifty-five	56 Fifty-six
57 Fifty-seven	58 Fifty-eight	 Fifty-nine	60 Sixty	61 Sixty-one	62 Sixty-two
 Sixty-three	64 Sixty-four	65 Sixty-five	66 Sixty-six	67 Sixty-seven	68 Sixty-eight
69 Sixty-nine	70 Seventy	71 Seventy-one	 Seventy-two	73 Seventy-three	74 Seventy-four
75 Seventy-five	76 Seventy-six	77 Seventy-seven	78 Seventy-eight	 Seventy-nine	80 Eighty
81 Eighty-one	82 Eighty-two	83 Eighty-three	84 Eighty-four	 Eighty-five	86 Eighty-six
87 Eighty-seven	88 Eighty-eight	89 Eighty-nine	 Ninety	91 Ninety-one	92 Ninety-two
93 Ninety-three	94 Ninety-four	 Ninety-five	96 Ninety-six	97 Ninety-seven	 Ninety-eight
99 Ninety-nine	100 Hundred				

Key Fact

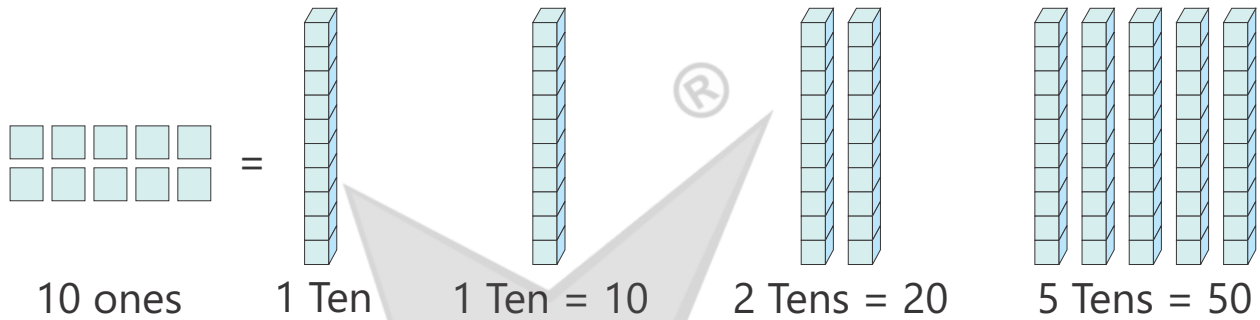
- 0 is the smallest 1-digit number.
- 9 is the greatest 1-digit number.
- 10 is the smallest 2-digit number.
- 99 is the greatest 2-digit number.

Try Yourself Complete the following.

Thirteen	13
	72

Thirty seven	
Fifty Eight	

3-Digit Numbers



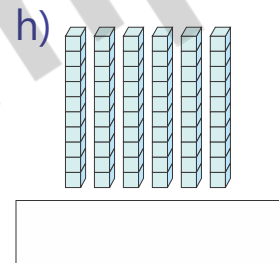
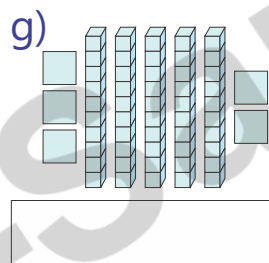
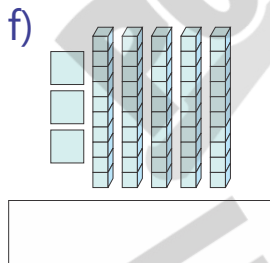
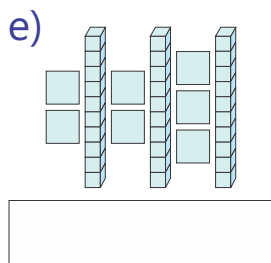
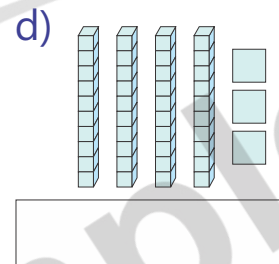
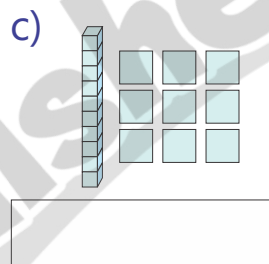
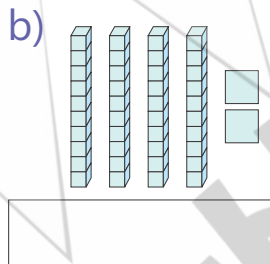
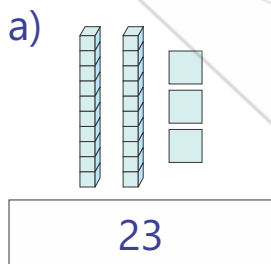
Let's count forward from 10



Key Fact

- 10 ones = 1 ten
- 10 tens = 1 hundred
- 100 is the smallest 3-digit number

Write the value as per tens and ones. First one has been done for you.



Teaching Point

Teacher will guide the students to count tens till 100 and explain about 3-digit numbers.

Place values tens and ones

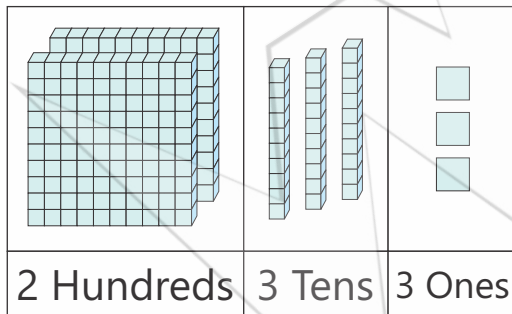
$$\begin{aligned}
 73 &= \square \text{ tens} + \square \text{ ones} \\
 95 &= \square \text{ tens} + \square \text{ ones} \\
 23 &= \square \text{ tens} + \square \text{ ones} \\
 48 &= \square \text{ tens} + \square \text{ ones} \\
 54 &= \square \text{ tens} + \square \text{ ones} \\
 60 &= \square \text{ tens} + \square \text{ ones}
 \end{aligned}$$

$$\begin{aligned}
 98 &= \square \text{ tens} + \square \text{ ones} \\
 87 &= \square \text{ tens} + \square \text{ ones} \\
 11 &= \square \text{ tens} + \square \text{ ones} \\
 63 &= \square \text{ tens} + \square \text{ ones} \\
 59 &= \square \text{ tens} + \square \text{ ones} \\
 28 &= \square \text{ tens} + \square \text{ ones}
 \end{aligned}$$

Hundreds

► 100 ones make 1 hundred. ► 10 tens make 1 hundred.

Let's show 233 using blocks



233 → Two hundred and thirty three

H	T	O
2	3	3

$$\begin{aligned}
 2 \text{ Hundreds} &= 200 \\
 3 \text{ tens} &= 30 \\
 3 \text{ Ones} &= 3
 \end{aligned}$$

Let us count in 100s with the help of blocks

$$\begin{aligned}
 \text{100 ones} &= 100 \text{ ones} \\
 &= 1 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{200 ones} &= 200 \text{ ones} \\
 &= 2 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{300 ones} &= 300 \text{ ones} \\
 &= 3 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{400 ones} &= 400 \text{ ones} \\
 &= 4 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{500 ones} &= 500 \text{ ones} \\
 &= 5 \text{ hundred}
 \end{aligned}$$

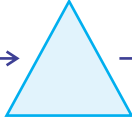
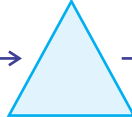
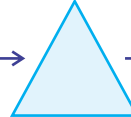
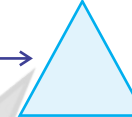
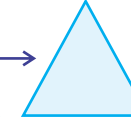
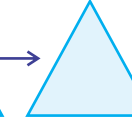
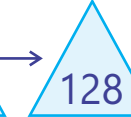
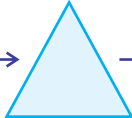
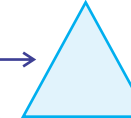
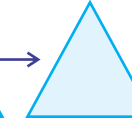
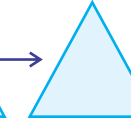
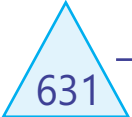
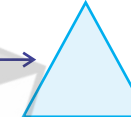
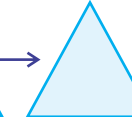
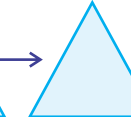
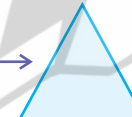
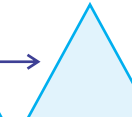
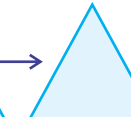
$$\begin{aligned}
 \text{600 ones} &= 600 \text{ ones} \\
 &= 6 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{700 ones} &= 700 \text{ ones} \\
 &= 7 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{800 ones} &= 800 \text{ ones} \\
 &= 8 \text{ hundred}
 \end{aligned}$$

$$\begin{aligned}
 \text{900 ones} &= 900 \text{ ones} \\
 &= 9 \text{ hundred}
 \end{aligned}$$

◆ Complete the following number patterns.

- a)  →  →  →  →  →  →  →  → 
- b)  →  →  →  →  →  →  →  → 
- c)  →  →  →  →  →  →  →  → 
- d)  →  →  →  →  →  →  →  → 

◆ Write the following numbers in words.

a) 729

b) 610

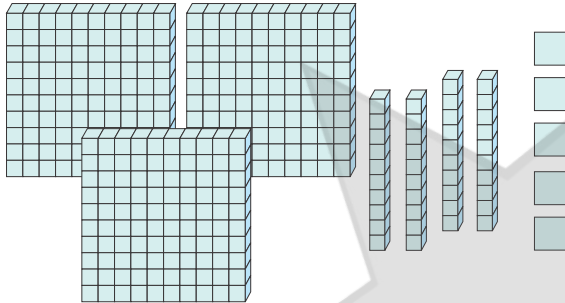
c) 817

d) 938

e) 273

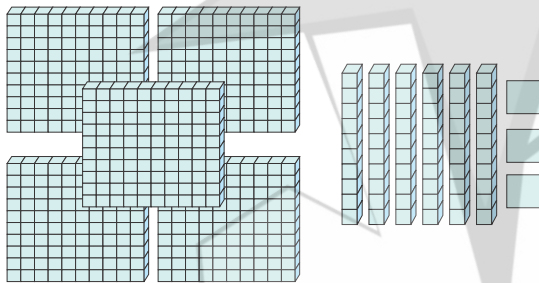
- ◆ Write how many hundreds, tens and ones are shown by the base blocks then write the number.

a)



Hundreds	Tens	Ones

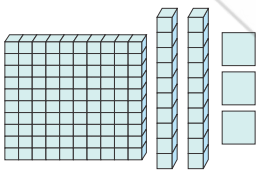
b)



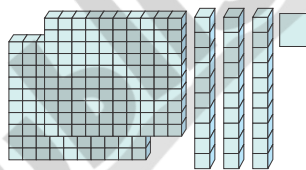
Hundreds	Tens	Ones

- ◆ Count the blocks and write the numbers

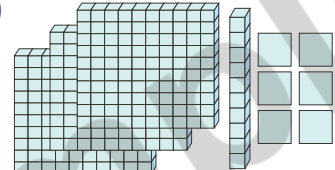
a)



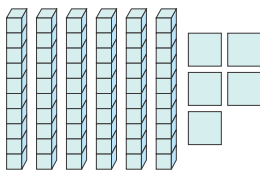
b)



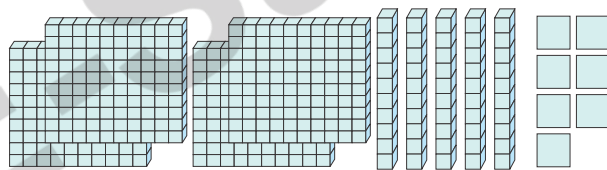
c)

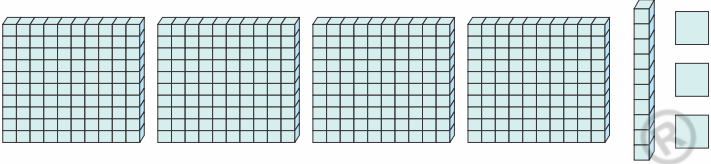
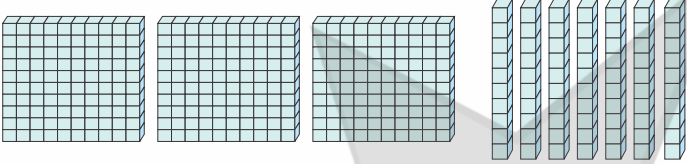
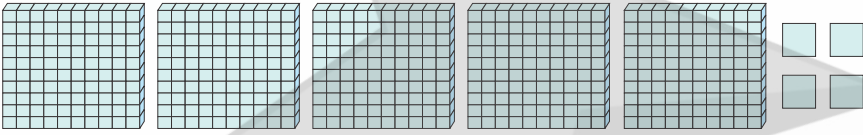
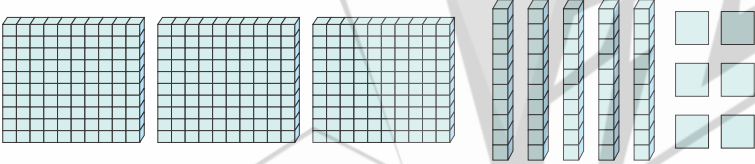
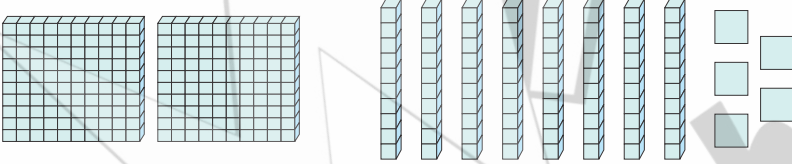
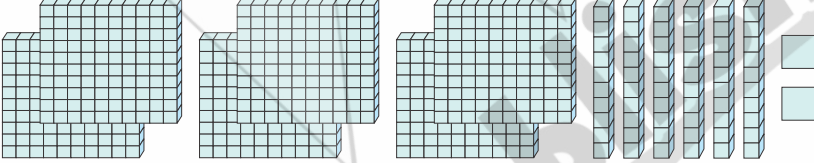


d)



e)



f)		_____
g)		_____
h)		_____
i)		_____
j)		_____
k)		_____



Write the following number in the words

12 = _____ 32 = _____ 70 = _____

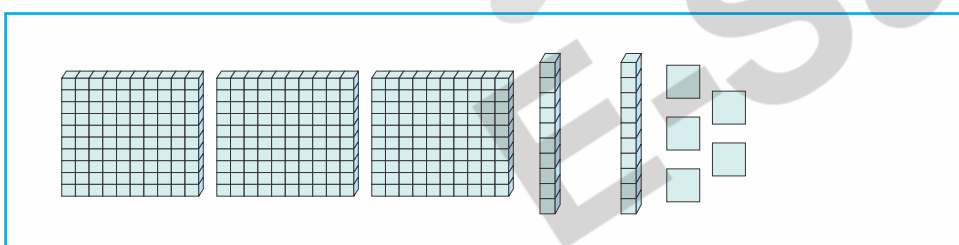
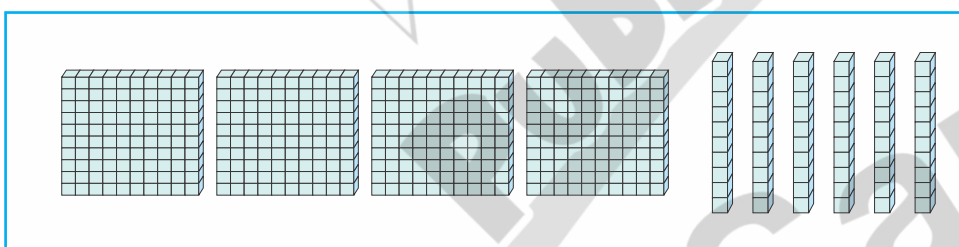
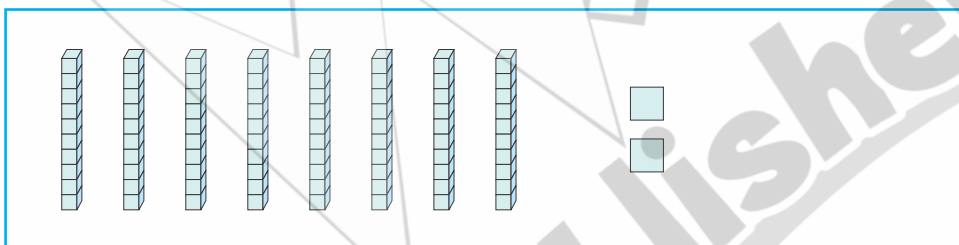
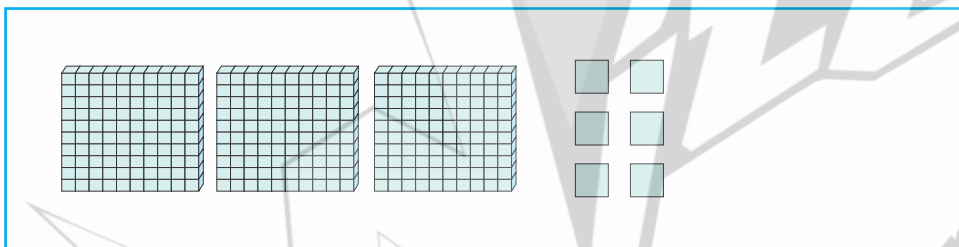
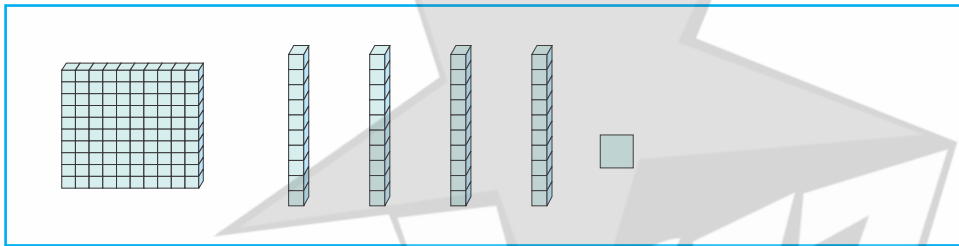
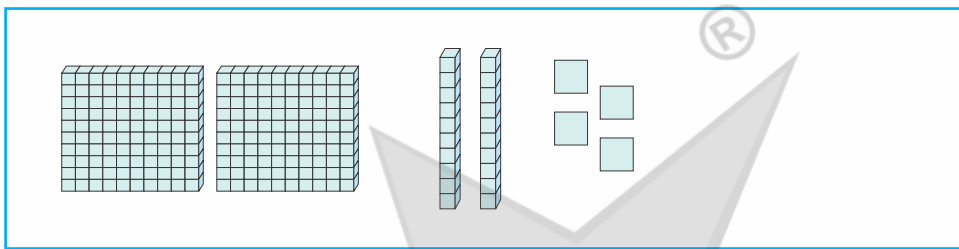
14 = _____ 45 = _____ 76 = _____

15 = _____ 39 = _____ 89 = _____

19 = _____ 54 = _____ 95 = _____

27 = _____ 65 = _____ 100 = _____

◆ Match the blocks with the numbers.



141

306

224

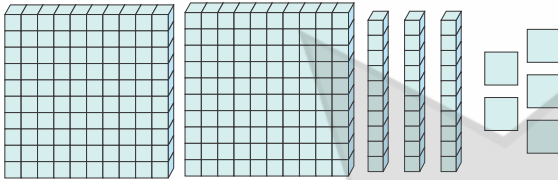
325

460

82

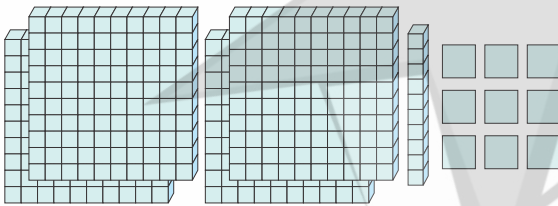
- ◆ Count the hundreds, tens and ones in each group. Write the value for each number and the total value

a)



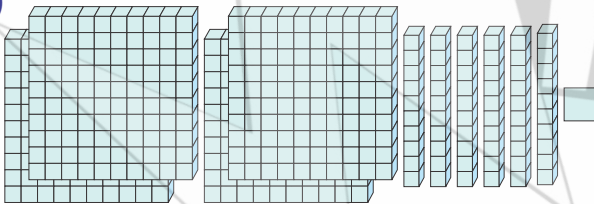
Hundreds	Tens	Ones

b)



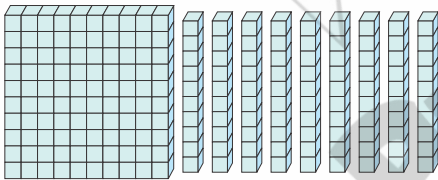
Hundreds	Tens	Ones

c)



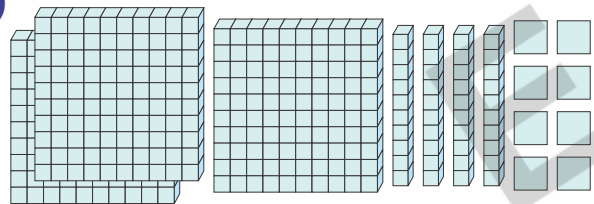
Hundreds	Tens	Ones

d)



Hundreds	Tens	Ones

e)



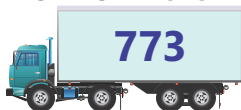
Hundreds	Tens	Ones

Numericals and Words

Write numbers in words. One has been done for you.



Nine hundred and eighty seven



Write these numbers in figures.

Three hundred and sixty-seven 367

Nine hundred twenty-four

Four hundred twelve

One hundred seven

Eight hundred seventy-five

Four hundred ninety-eight

One hundred fifty-eight

Three hundred sixty-two

Seven hundred sixteen

Six hundred three

Five hundred one

Eight hundred fifty-nine

Two hundred forty-two

Nine hundred ninety-nine

◆ Write numbers in words. One has been done for you.

a) 342 Three hundred and forty two.

b) 576

c) 497

d) 860

e) 943

f) 609

g) 270

h) 736

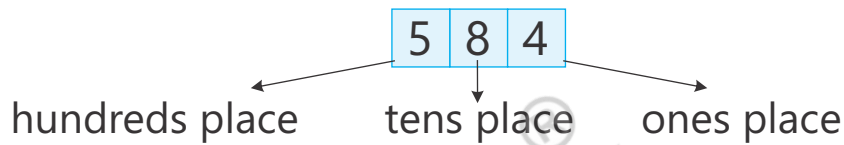
i) 158

j) 986

k) 400

l) 514

- ◆ A digit's place value tells us how much each digit is in words.



- a) Write down which digit is in ones place:

167 → <u>7</u>	425 →	319 →	830 →
56 →	902 →	621 →	83 →

- b) Write down which digit is in tens place:

273 → <u>7</u>	194 →	832 →	508 →
42 →	315 →	209 →	93 →

- c) Write down which digit is in hundreds place:

635 → <u>6</u>	302 →	128 →	39 →
271 →	840 →	65 →	481 →

- ◆ Write how many hundreds, tens and ones are in each number

248
H T O

754
H T O

307
H T O

853
H T O

652
H T O

341
H T O

196
H T O

992
H T O

528
H T O

148
H T O

- ◆ Write how many hundreds, tens or ones are shown by underlined digit

543 = five hundreds

427 = seven ones

335 =

879 =

626 =

746 =

592 =

487 =

636 =

313 =

◆ Write down the number of hundreds, tens and ones.

236	=	2	hundreds	3	tens	6	ones
370	=		hundreds		tens		ones
505	=		hundreds		tens		ones
737	=		hundreds		tens		ones
800	=		hundreds		tens		ones
1000	=		hundreds		tens		ones

◆ Look at the underlined digit. What place is it in? Write H(hundreds), T(tens) or O(ones) for the correct place.

1 <u>5</u> 4 50	44 <u>7</u> 7	<u>8</u> 43 800	<u>9</u> 42	4 <u>8</u> 2
4 <u>3</u> 9	<u>6</u> 95	3 <u>7</u> 2	<u>1</u> 77	3 <u>3</u> 0
<u>5</u> 92	5 <u>4</u> 7	<u>2</u> 20	<u>6</u> 32	<u>1</u> 90
<u>3</u> 92	<u>5</u> 47	<u>2</u> 87	<u>3</u> 76	<u>5</u> 85

<u>934</u> _____	<u>838</u> _____	<u>584</u> _____	<u>345</u> _____	<u>894</u> _____
<u>334</u> _____	<u>674</u> _____	<u>253</u> _____	<u>446</u> _____	<u>451</u> _____
<u>376</u> _____	<u>625</u> _____	<u>855</u> _____	<u>542</u> _____	<u>168</u> _____
<u>369</u> _____	<u>164</u> _____	<u>738</u> _____	<u>409</u> _____	<u>389</u> _____
<u>848</u> _____	<u>328</u> _____	<u>707</u> _____	<u>799</u> _____	

◆ **Complete the following number patterns.**

One hundred and forty-six 146

Two hundred twenty-five _____

Six hundred seventeen _____

Four hundred nine _____

Five hundred thirty-three _____

Nine hundred fifty-one _____

One hundred thirteen _____

Eight hundred eighty-three _____

Six hundred five _____

Four hundred sixty-seven _____

Two hundred ninety-nine _____

Five hundred eighteen _____

 Write these in words

431

607

214

500

845

117

 Write each number in standard form

- 1) Four hundred and ninety-six
- 2) One hundred and forty-eight
- 3) Three hundred and seventy-two
- 4) Four hundred and seventeen
- 5) Three hundred and sixty-five
- 6) Nine hundred and ninety-one
- 7) Six hundred and thirty
- 8) Nine hundred and eighty-three
- 9) Seven hundred and twenty-six
- 10) Eight hundred and fifty-four
- 11) Two hundred and one
- 12) Seven hundred and thirty-eight

496

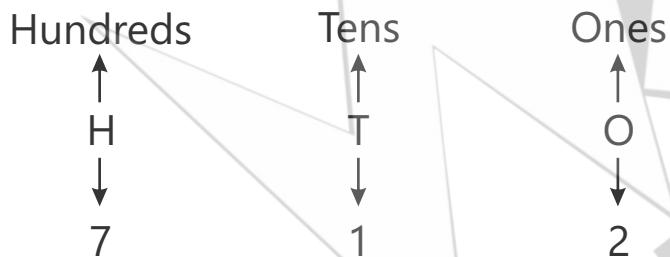
◆ Write the following numbers in numerals.

- a) Four hundred and thirty-nine
- b) Six hundred and nine
- c) Eight hundred and forty-eight
- d) Three hundred and sixty-two
- e) One hundred and twenty-seven

◆ "Place value of 3-digit numbers" ◆

◆ Place value tells us the position or value of each digit in number

Let us place the value of 712



◆ 1. Write 249 in words

H	T	O
2	4	9

2 Hundreds 4 Tens 9 Ones

In words: Two hundred and forty-nine.

◆ Write "six hundred and twenty-one" in numerals

six hundred and twenty one
 ↓ ↓ ↓
 600 + 20 + 1

Place value is

H	T	O
6	2	1

Try Yourself

How many Hundreds, Tens and Ones in 636?

◆ Write the place values of coloured digits. One has been done for you.

a) **1**37 3 tens

b) **2**63

c) **6**50

d) **7**09

e) **9**27

f) **1**24

◆ Comparison of 3-digit Numbers ◆

◆ Let's compare 429 and 486

Hundreds	Tens	Ones
4	2	9
4	8	6

When values are same on the hundreds place, compare the digits on Tens place.
8 tens is greater than 2 tens.
So, 486 is greater than 426

◆ Let's compare 628 and 626

Hundreds	Tens	Ones
6	2	8
6	2	6

As the values are same on hundreds and tens place, so compare the digits on Ones place. 8 ones is greater than 6 ones.
So, 628 is greater than 626

Key Fact

When we compare 3-digit numbers, we start with hundreds, then tens and ones. If they are same, then both numbers are equal.

Ordering Numbers

If we have three numbers here

612	126	316
-----	-----	-----

How can we find the smallest and greatest numbers?
Let's check

Hundreds	Tens	Ones
6	1	2
3	1	6
1	2	6

As we compare the digits at hundreds place 6 hundreds is greatest.

So, 612 is the greatest number.

As 1 hundred is smallest.

So 126 is the smallest number.

Now, we write the numbers in order

126	316	612
-----	-----	-----

Colour the smallest number

a) 101 110

c) 17 18

b) 623 632

d) 899 998

◆ Colour the greatest number

- a)

618	681
-----	-----

 b)

124	421
-----	-----

 c)

372	327
-----	-----

 d)

888	666
-----	-----

◆ Tick the greatest number

- a)

10	12	16
----	----	----

 b)

516	615	156
-----	-----	-----
- c)

98	101	121
----	-----	-----

 d)

726	627	276
-----	-----	-----

◆ Write the given numbers in ascending and descending order

- a)

176	123
-----	-----

 Ascending order

--	--
- | | | |
|-----|-----|-----|
| 135 | 141 | 169 |
|-----|-----|-----|

 Descending order

--	--	--
- b)

729	738
-----	-----

 Ascending order

--	--
- | | | |
|-----|-----|-----|
| 742 | 761 | 784 |
|-----|-----|-----|

 Descending order

--	--	--

◆ Comparison of Numbers ◆

◆ Encircle the bigger number

- | | | | | | | | | |
|--|-----|-----|--|-----|-----|--|-----|-----|
| <table border="1" style="display: inline-table;"><tr><td>702</td><td>102</td></tr></table> | 702 | 102 | <table border="1" style="display: inline-table;"><tr><td>206</td><td>300</td></tr></table> | 206 | 300 | <table border="1" style="display: inline-table;"><tr><td>325</td><td>120</td></tr></table> | 325 | 120 |
| 702 | 102 | | | | | | | |
| 206 | 300 | | | | | | | |
| 325 | 120 | | | | | | | |
| <table border="1" style="display: inline-table;"><tr><td>225</td><td>265</td></tr></table> | 225 | 265 | <table border="1" style="display: inline-table;"><tr><td>380</td><td>425</td></tr></table> | 380 | 425 | <table border="1" style="display: inline-table;"><tr><td>302</td><td>465</td></tr></table> | 302 | 465 |
| 225 | 265 | | | | | | | |
| 380 | 425 | | | | | | | |
| 302 | 465 | | | | | | | |
| <table border="1" style="display: inline-table;"><tr><td>671</td><td>702</td></tr></table> | 671 | 702 | <table border="1" style="display: inline-table;"><tr><td>750</td><td>857</td></tr></table> | 750 | 857 | <table border="1" style="display: inline-table;"><tr><td>902</td><td>702</td></tr></table> | 902 | 702 |
| 671 | 702 | | | | | | | |
| 750 | 857 | | | | | | | |
| 902 | 702 | | | | | | | |

◆ **Encircle the smallest number**

305 | 205

112 | 282

450 | 387

751 | 561

700 | 750

800 | 900

850 | 921

720 | 867

916 | 891

◆ **Encircle the bigger number**

105 | 207 | 381

391 | 280 | 285

521 | 416 | 319

449 | 825 | 511

587 | 688 | 751

782 | 802 | 817

772 | 795 | 813

814 | 991 | 950

737 | 837 | 937

◆ **Encircle the smallest number**

200 | 192 | 205

282 | 305 | 351

457 | 382 | 405

451 | 425 | 526

565 | 587 | 510

626 | 682 | 712

735 | 756 | 786

801 | 865 | 895

990 | 975 | 911

Ordering Numbers

Order the following numbers from smallest to greatest

(a) 634 435 243 162 593

(b) 106 371 692 317 482

(c) 664 265 328 473 548

(d) 647 638 683 607 674

(e) 385 350 305 347 358

Order the following numbers from greatest to smallest

(a) 249 471 593 624 881

(b) 329 703 462 330 994

(c) 537 226 502 293 373

(d) 482 497 248 428 284

(e) 841 812 863 836 814

(f) 124 224 105 309 471

(g) 783 524 805 170 228

(h) 232 920 140 471 323

◆ **Arrange in increasing order**

a) 120, 348, 492, 266

			
---	--	--	--

b) 529, 498, 276, 478

--	--	--	--

c) 156, 229, 468, 127

--	--	--	--

d) 413, 123, 456, 345

--	--	--	--

e) 457, 494, 384, 275

--	--	--	--

f) 252, 354, 390, 250

--	--	--	--

◆ **Arrange in decreasing order**

a) 246, 458, 178, 256

--	--	--	--

b) 175, 408, 333, 207

--	--	--	--

c) 389, 468, 455, 222

--	--	--	--

d) 183, 458, 226, 452

--	--	--	--

e) 247, 300, 186, 168

--	--	--	--

f) 452, 300, 400, 150

--	--	--	--

◆ **Encircle the correct answer.**

1) The spelling of 1st is

a) first

b) fist

c) firste

2) 4 hundreds, 5 tens, 2 ones. Choose the correct one.

a) 254

b) 452

c) 425

3) What is the value of 6 in the number 463?

a) 6

b) 600

c) 60

4) What is greater 1-digit number?

a) 6

b) 9

c) 0

5) 5 hundreds + 3 tens, what is the number?

a) 530

b) 503

c) 53

6) 10 tens make

a) 10

b) 100

c) 1000

7) The smallest 2-digit number is

a) 10

b) 99

c) 40

8) $600+40+9$, What is the number

a) 946

b) 649

c) 496

9) 3-digit smallest number is

a) 200

b) 100

c) 300

10) What is the value of 8 in the number 548

a) ones

b) tens

c) hundreds

11) 249, 387, 417, 562. What order is it?

a) Ascending

b) composing

c) descending

12) How many hundreds in 536?

a) 300

b) 500

c) 600

13) Three hundreds and one can be written as

a) 301

b) 310

c) 31

14) 232, 242, ____, 262. The missing number in pattern is

a) 222

b) 252

c) 243

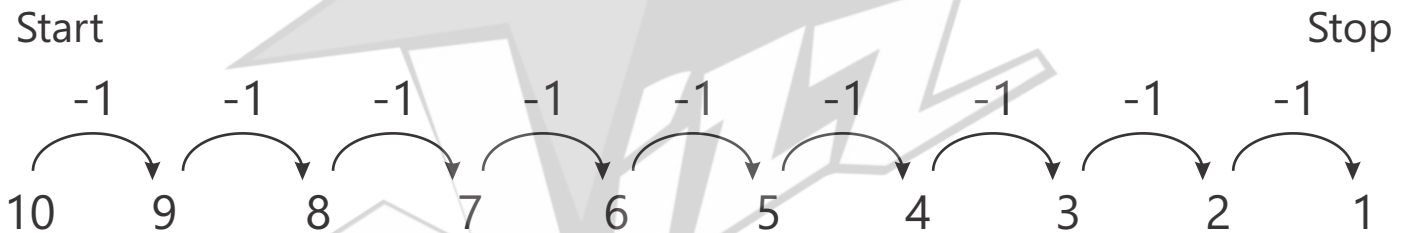
15) What number comes after 74?

a) 75

b) 73

c) 76

Backward Counting 10 steps down



Let's count and write backward counting in 10 steps. i.e

216 → 215 → 214 → 213 → 212 → 211 → 210

209 → 208 → 207 → 206

Try Yourself

Write backward counting 10 steps for the given numbers.

- a) 68 →

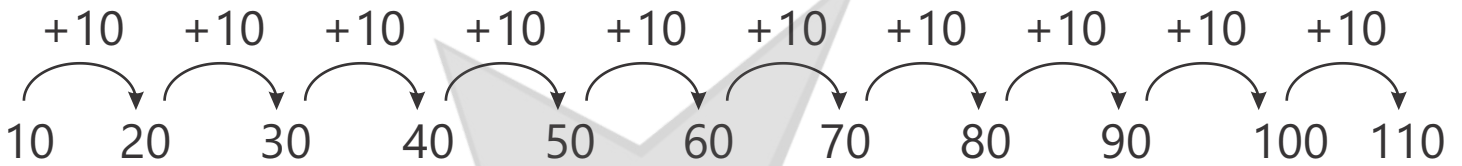
--	--	--	--	--	--	--	--	--	--
- b) 261 →

--	--	--	--	--	--	--	--	--	--
- c) 632 →

--	--	--	--	--	--	--	--	--	--

◆ Forward Counting 10 steps up by 10. ◆

Let us count in 10s!



We know that



Try Yourself

Write forward counting in 10 steps from the given numbers (counting by 1).

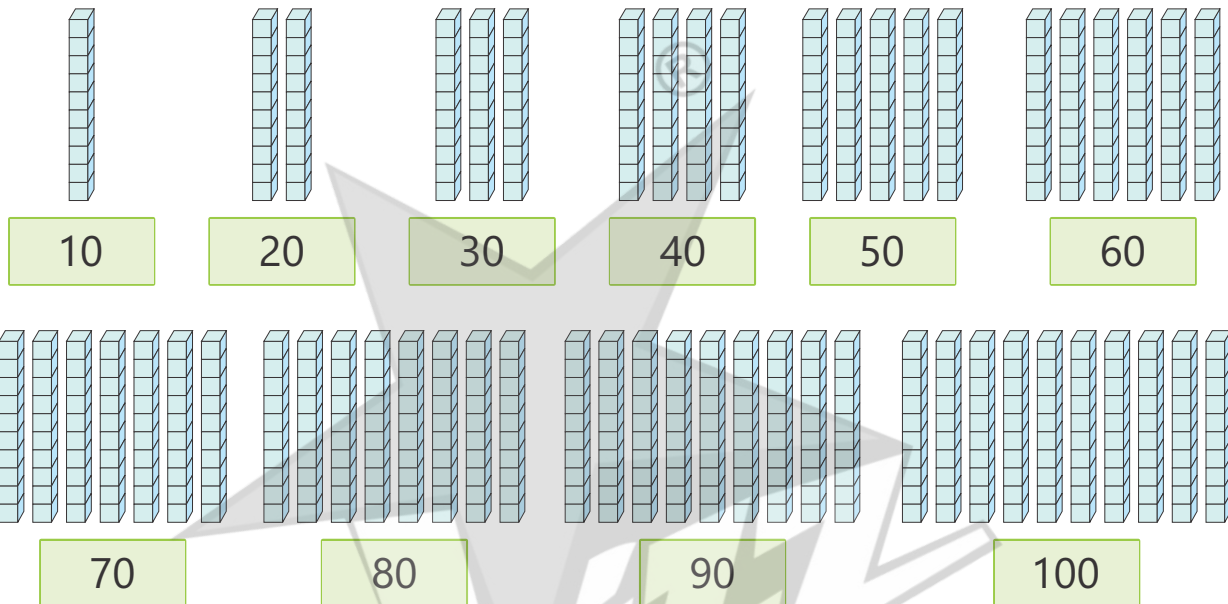
- a) 68 →

--	--	--	--	--	--	--	--	--	--
- b) 261 →

--	--	--	--	--	--	--	--	--	--
- c) 632 →

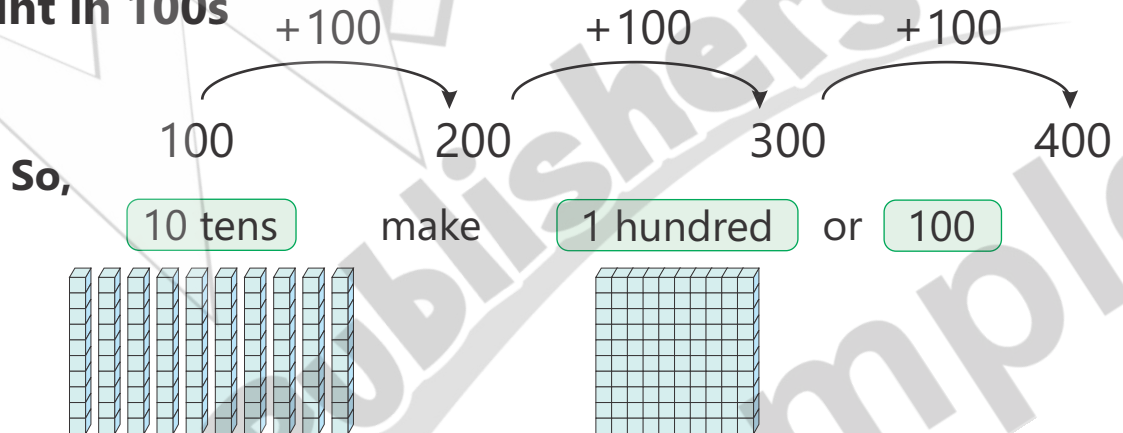
--	--	--	--	--	--	--	--	--	--

Let's count in tens.

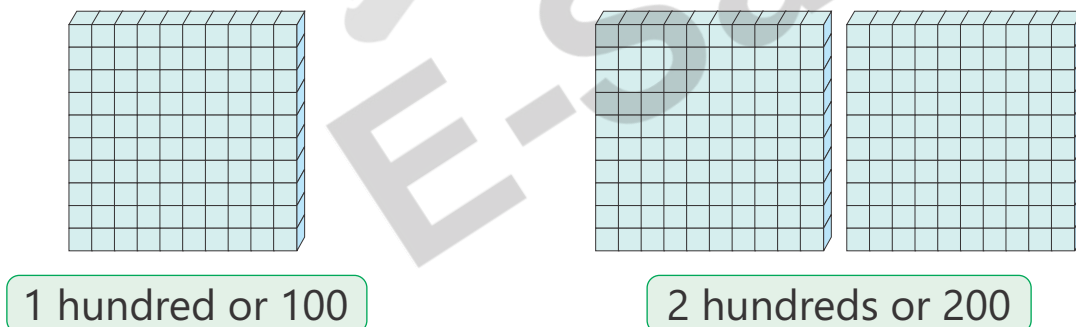


Counting in 100s

Let us count in 100s



Now let's count in hundreds.



One Thousand

Key Fact

▶ 999 is the greatest 3-digit number.

If 999 is the greatest 3-digit number then what will be the next number?

$$\boxed{999} + \boxed{1} = \boxed{1000}$$

One thousand

Key Fact

▶ 1000 is the smallest 4-digit number.

We can represent 1000 as

Thousand	Hundreds	Tens	Ones
1	0	0	0

VOCABULARY

- ▶ Place value
- ▶ Greatest
- ▶ Smallest
- ▶ Ascending Order
- ▶ Descending Order
- ▶ Forward & Backward

Review Exercise

◆ Write the expanded form of the following numbers

		Hundreds		Tens		Ones
a) 110 =		1	+	1	+	0
b) 640 =			+		+	
c) 220 =			+		+	
d) 744 =			+		+	

◆ Who am I? Write in the space provided

1. I am an oval in shape. I come before 1
2. I am first 2-digit number
3. I am last 2-digit number
4. I am first 3-digit number
5. I am last 3-digit number
6. I am 4-digit number

◆ Write the following ordinal numbers in words

a) 3rd		b) 6th	
c) 16th		d) 13th	
e) 7th		f) 10th	
g) 15th		h) 20th	

◆ **Encircle the smallest number & Cross (X) the greatest number**

a)

12	21
----	----

b)

62	36
----	----

c)

102	261	621
-----	-----	-----

d)

893	729	920
-----	-----	-----

◆ **Arrange the numbers in ascending and descending order**

723

629

943

236

467

Ascending
Order

--	--	--	--	--

Descending
Order

--	--	--	--	--

◆ **Order the following numbers from smallest to greatest**

456	790	750	123	>>>				
366	550	909	120	>>>				
144	441	114	414	>>>				
823	832	238	283	>>>				
257	572	527	275	>>>				
130	530	103	350	>>>				
122	211	112	212	>>>				
345	354	305	344	>>>				
815	816	915	851	>>>				
547	445	454	499	>>>				

◆ Match the numbers on the left with the words on the right

4th		fifth
1st		seventh
9th		sixth
7th		first
2nd		fourth
6th		ninth
3rd		second
10th		eighth
8th		third
5th		tenth

◆ Put the numbers in order from greatest to smallest

547	445	454	499	625	266	662	552
376	737	535	773	195	76	237	45
797	597	967	559	133	391	139	129
562	886	665	682	376	72	137	54
949	423	442	929	879	890	904	789

◆ What value does each digit in the following numbers stand for?

a) 7 5 6

b) 3 8 0

c) 9 0 4

d) 4 5 3

◆ Draw the symbols given to show the number

Key : Hundreds, $\square$: Tens, $\checkmark$: Ones, $\bigcirc$

a) 112

H	T	O

b) 306

H	T	O

Comparing 3-Digit Numbers

> greater than

< lesser than

= equal

Write <, > or = on the block to compare the numbers

453 234554 554613 613740 100157 154163 822645 754860 680231 572389 392256 256456 654245 426136 361164 880120 100312 432745 718520 18040 100412 475132 153300 301716 176748 851661 632500 300289 480834 723536 536717 727556 266241 837386 242900 98121 221386 312852 813456 456532 279864 547232 555900 900345 354325 211342 184665 656721 728175 144278 521546 600

Expanded Form

Write down these numbers in expanded form

1.	724	7 hundreds + 2 tens + 4 ones
2.	137	
3.	951	
4.	638	
5.	906	
6.	143	
7.	726	
8.	819	
9.	672	
10.	540	
11.	658	
12.	947	
13.	806	
14.	430	
15.	612	
16.	583	
17.	947	
18.	302	
19.	784	
20.	939	

- ◆ Fill in the chart below to show how many hundreds, tens & ones.
First one has been done for you

	Hundreds	Tens	Ones
234	200	30	4
513			
673			
947			
682			
870			
701			
457			
198			
355			

◆ Write these numbers in expanded form.

1)	3	7	4	<u>300</u>	+	<u>70</u>	+	<u>4</u>
2)	9	1	3	<u> </u>	+	<u> </u>	+	<u> </u>
3)	1	2	9	<u> </u>	+	<u> </u>	+	<u> </u>
4)	5	7	3	<u> </u>	+	<u> </u>	+	<u> </u>
5)	4	8	2	<u> </u>	+	<u> </u>	+	<u> </u>
6)	8	2	6	<u> </u>	+	<u> </u>	+	<u> </u>
7)	9	5	5	<u> </u>	+	<u> </u>	+	<u> </u>
8)	1	1	1	<u> </u>	+	<u> </u>	+	<u> </u>
9)	2	9	9	<u> </u>	+	<u> </u>	+	<u> </u>
10)	5	6	5	<u> </u>	+	<u> </u>	+	<u> </u>

◆ Write these numbers in expanded form.

1) 221	<u>200 + 20 + 1</u>	9) 962	<u> </u>
2) 841	<u> </u>	10) 981	<u> </u>
3) 359	<u> </u>	11) 454	<u> </u>
4) 284	<u> </u>	12) 615	<u> </u>
5) 738	<u> </u>	13) 473	<u> </u>
6) 994	<u> </u>	14) 921	<u> </u>
7) 137	<u> </u>	15) 586	<u> </u>
8) 686	<u> </u>	16) 227	<u> </u>

◆ Write each expansion in the form of numerals

500	+	80	+	3	=	
700	+	70	+	7	=	
500	+	30	+	5	=	
100	+	50	+	5	=	
200	+	60	+	9	=	

◆ Write the followings numbers in expanded form

372 = 3 hundreds + 7 tens + 2 ones

524 = hundreds + tens + ones

398 = hundreds + tens + ones

837 = hundreds + tens + ones

148 = hundreds + tens + ones

733 = hundreds + tens + ones

◆ How many hundreds, tens and ones?

a) 492 = hundreds + tens + ones

b) 780 = hundreds + tens + ones

c) 907 = hundreds + tens + ones

◆ Fill in the boxes with the correct digits

Hundreds	Tens	Ones

hundreds

or

tens

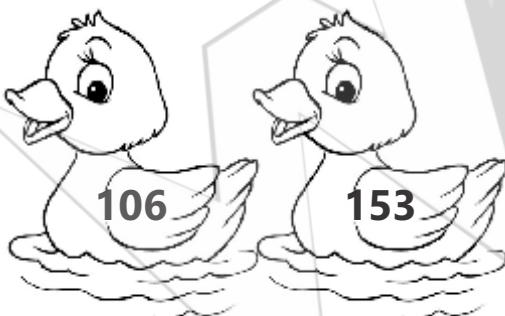
or

ones

or

◆ Colour the bigger number green

a)



b)



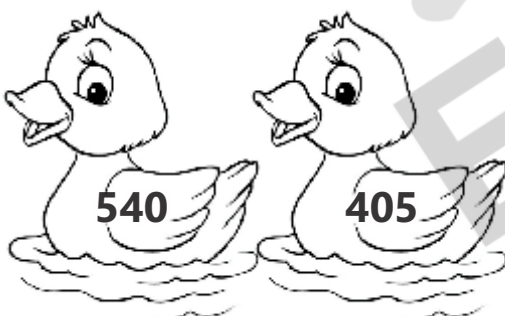
c)



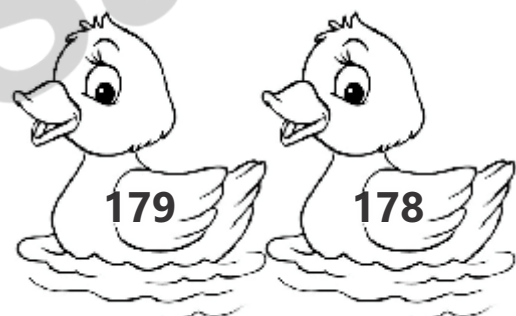
d)



e)

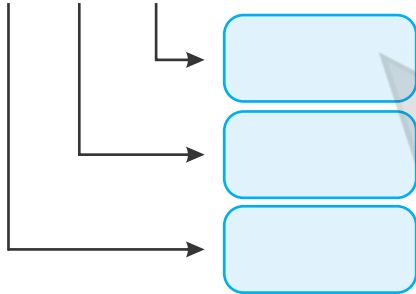


f)

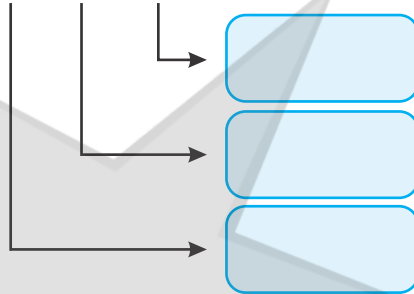


Write the place value of each digit

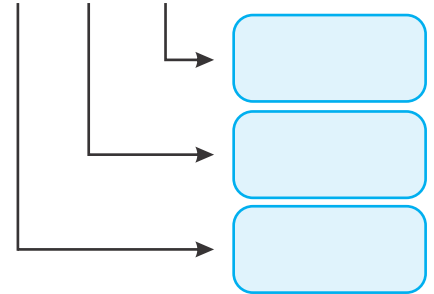
H	T	O
2	1	7



H	T	O
8	6	3



H	T	O
9	0	9



Write the following expanded form of numbers in standard form

Expanded form

$$500 + 00 + 0$$

_____ Hundreds

_____ Tens

_____ Ones

Standard form: 500

Expanded form

$$600 + 80 + 1$$

_____ Hundreds

_____ Tens

_____ Ones

Standard form: _____

Expanded form

$$400 + 10 + 1$$

_____ Hundreds

_____ Tens

_____ Ones

Standard form: _____

Complete the following

715

$$700 + 10 + 5$$

_____ Hundred

602

$$\square + \square + \square$$

_____ Ones

998

$$\square + \square + \square$$

_____ Tens

210

$$\square + \square + \square$$

_____ Hundreds

889

$$\square + \square + \square$$

_____ Tens

◆ **Match the expanded form to its number**

2 hundreds + 3 tens + 9 ones

622

4 hundreds + 0 tens + 6 ones

239

6 hundreds + 2 tens + 2 ones

961

9 hundreds + 6 tens + 1 ones

406

◆ **Who am I?**

I am circular in shape. I come before 1.

I am the first two digit number.

I am the last two digit number in counting.

I am the first three digit number in counting.

◆ **Search the greatest number and write in the box**

a) 12, 16, 17, 21, 29

b) 59, 42, 36, 21, 11

d) 450, 485, 560, 580, 590

c) 230, 160, 110, 99, 20

Student Learning Outcomes

After completing this unit, students will be able to:

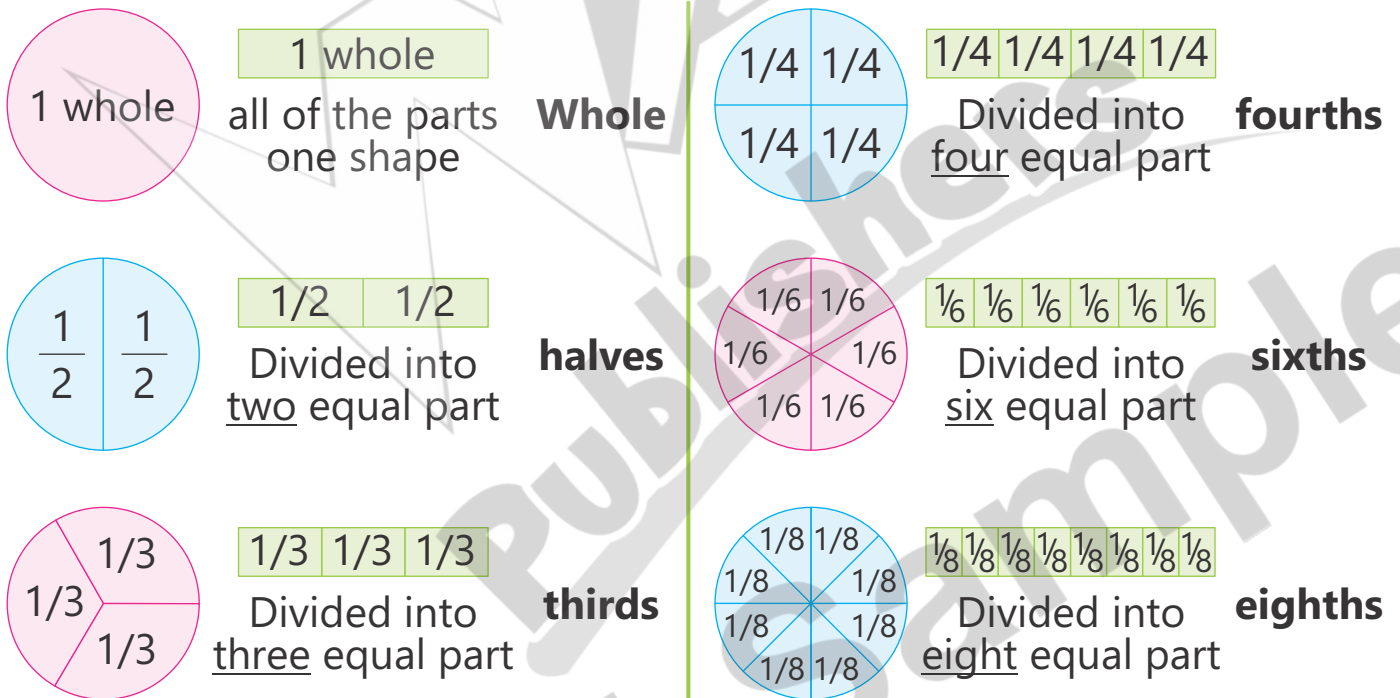
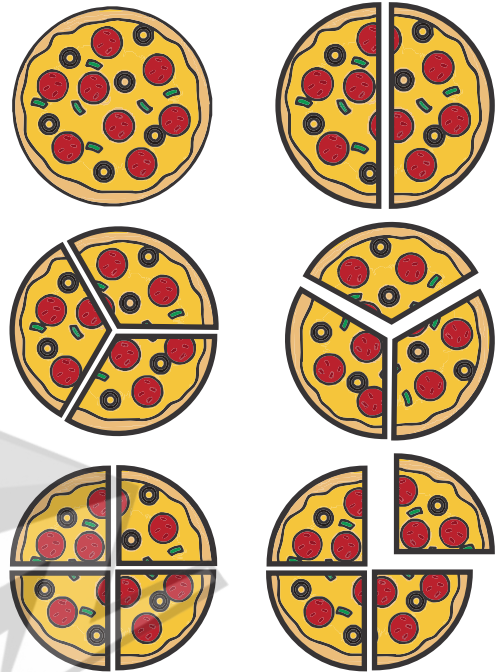
- Recognize fraction as equal parts of a whole.
- Identify half, one third and quarter with the help of objects and figures (without writing $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$).
- Represent half, one third and quarter in numerical form as $(\frac{1}{2}, \frac{1}{3}, \frac{1}{4})$.
- Shade the equal parts of a given figure to match given fractions.
- Recognize and name unit fractions up to $(\frac{1}{10})$
- Recognize fraction like two-third $(\frac{2}{3})$ three-fourth $(\frac{3}{4})$, four fifth $(\frac{4}{5})$ up to nine tenths $(\frac{9}{10})$.

“When we divide whole into equal parts, each part is a fraction of a whole.”

1 Pizza is divided into 2 equal parts.
So each part is known as **half**.

1 Pizza is divided into 3 equal parts.
So each part is known as **one-third**.

1 Pizza is divided into 4 equal parts,
each part is known as **one-fourth**.



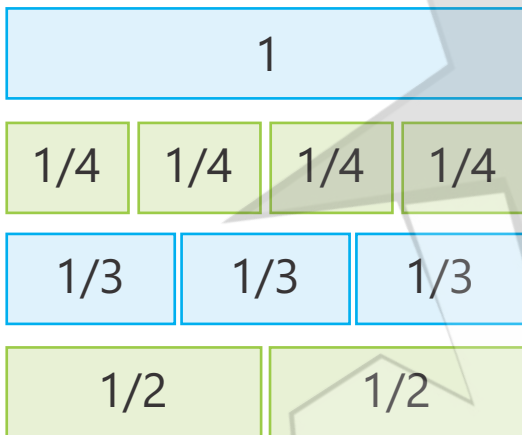
Teaching Point

Take a chocolate cake and distribute the slices among the students of class and clear the concept of fraction with the help of slices.

Identify half, one- third and quarter with the help of objects and figures.

Identification of fractions.

Fraction = $\frac{\text{Numerator}}{\text{Denominator}}$



The upper part of fraction is called **numerator**.

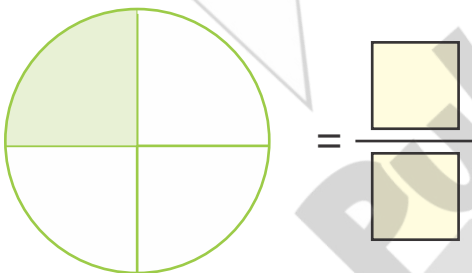
$\frac{1}{7}$

The lower part of fraction is called **denominator**.

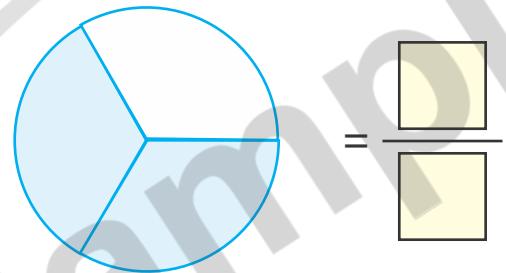
Practice Exercise

Write the following shaded parts as fractions.

a)



b)



Shade the following figures according to fractions.

a)

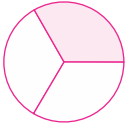


b)



◆ What is the fraction of the shaded Area?

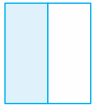
1)



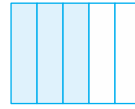
6)



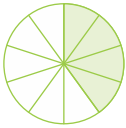
2)



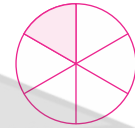
7)



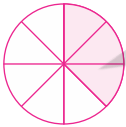
3)



8)



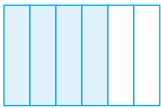
4)



9)



5)

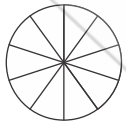


10)



◆ Colour the shapes for the given fraction.

1)



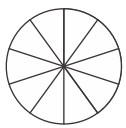
$$\frac{5}{10}$$

6)



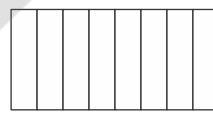
$$\frac{2}{4}$$

2)



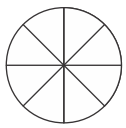
$$\frac{2}{10}$$

7)



$$\frac{2}{8}$$

3)



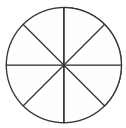
$$\frac{5}{8}$$

8)



$$\frac{1}{4}$$

4)



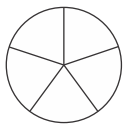
$$\frac{7}{8}$$

9)



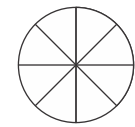
$$\frac{8}{10}$$

5)



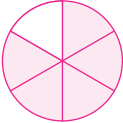
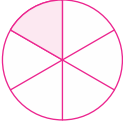
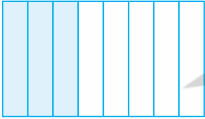
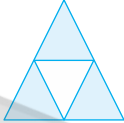
$$\frac{2}{5}$$

10)

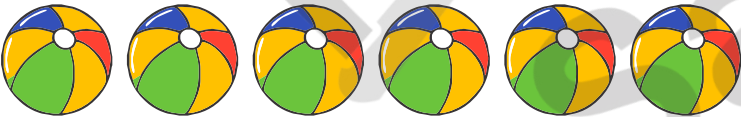


$$\frac{1}{8}$$

◆ Encircle the right fraction represented by the shaded part of each shape. First one is done as an example.

- 1)  $\frac{1}{2}$ $\frac{3}{6}$ $\frac{5}{6}$ $\frac{1}{6}$ $\frac{6}{5}$
- 2)  $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{6}$ $\frac{1}{3}$ $\frac{1}{5}$
- 3)  $\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{6}{8}$
- 4)  $\frac{1}{3}$ $\frac{3}{6}$ $\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{4}$
- 5)  $\frac{4}{6}$ $\frac{5}{6}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{3}{5}$
- 6)  $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{5}$ $\frac{2}{1}$
- 7)  $\frac{1}{2}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{1}{4}$ $\frac{4}{3}$
- 8)  $\frac{1}{6}$ $\frac{2}{3}$ $\frac{3}{3}$ $\frac{1}{3}$ $\frac{2}{5}$
- 9)  $\frac{3}{5}$ $\frac{3}{4}$ $\frac{5}{4}$ $\frac{4}{6}$ $\frac{4}{5}$

◆ Circle the objects as the given fraction.

- a)  $\frac{2}{5}$
- b)  $\frac{4}{6}$
- c)  $\frac{5}{7}$

◆ Write fraction in the form of words. One has been done for you.

- a) $\frac{2}{3}$ = Two thirds
- b) $\frac{6}{7}$ =
- c) $\frac{9}{10}$ =
- d) $\frac{3}{5}$ =
- e) $\frac{4}{5}$ =

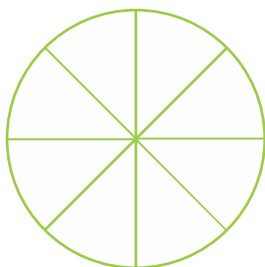
◆ Unit Fraction ◆

"A unit fraction is a fraction where the numerator (top number) is 1 and the denominator (bottom number) is a whole number except 'o'."

For example

$$\frac{1}{3}, \frac{1}{6}, \frac{1}{7}$$

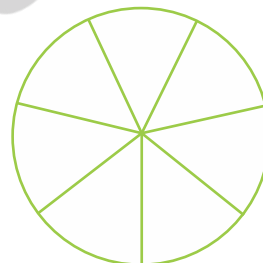
◆ Colour the figures according to the given fractions.



$$\frac{1}{8}$$



$$\frac{1}{4}$$



$$\frac{1}{7}$$

◆ Encircle the unit fraction from the following fractions.

a) $\frac{3}{5}$ $\frac{7}{9}$ $\frac{1}{4}$ $\frac{9}{11}$ [®]

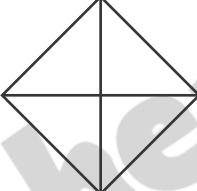
b) $\frac{1}{9}$ $\frac{2}{4}$ $\frac{1}{6}$ c) $\frac{3}{4}$ $\frac{6}{9}$ $\frac{1}{2}$ $\frac{1}{3}$

d) $\frac{8}{11}$ $\frac{3}{6}$ $\frac{1}{10}$ e) $\frac{1}{2}$ $\frac{11}{13}$ $\frac{6}{8}$

◆ Review Exercise ◆

◆ Shade the following shapes according to given fractions.

a)  $\frac{1}{2}$

b)  $\frac{2}{4}$

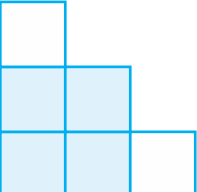
c)  $\frac{2}{7}$

d)  $\frac{3}{4}$

◆ See the pictures and write the shaded parts in fractions.

a)  = $\frac{\square}{\square}$

b)  = $\frac{\square}{\square}$

c)  = $\frac{\square}{\square}$

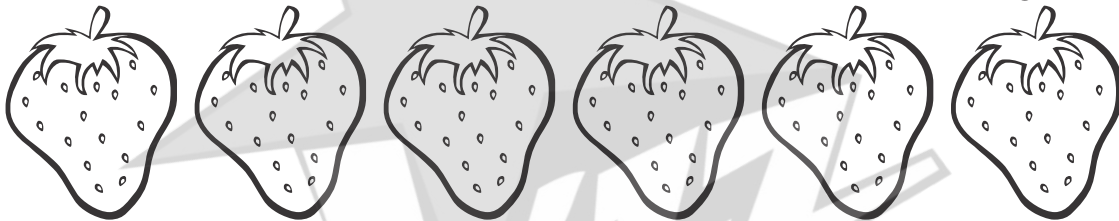
d)  = $\frac{\square}{\square}$

◆ Read the instructions and colour the objects.

a) The number of glasses according to fraction $\frac{6}{8}$



b) The number of strawberries according to fraction $\frac{2}{6}$



Project

Take an orange. Cut it into 6 equal slices. Separate into 1 and 3 parts. Write each part in the form of fraction in numerals and words.

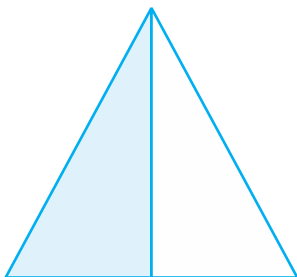
VOCABULARY

- Fraction ➤ One-third ➤ One-fourth ➤ Numerator
- One-half ➤ Denominator ➤ Unit Fraction

Review Exercise

◆ Look at the coloured shapes below. Write the numerator and denominator for shape.

a)

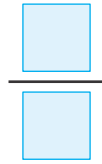
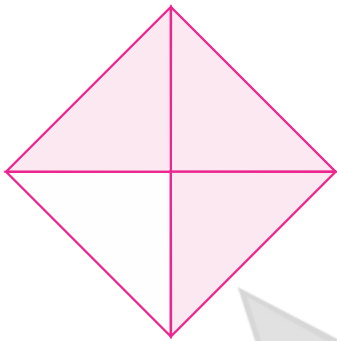


$\frac{\square}{\square}$ of the triangle is shaded.

The numerator is

The denominator is

b)



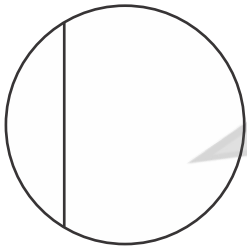
of the triangle is shaded.

The numerator is

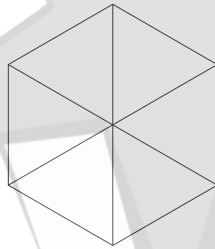
The denominator is

◆ Tick (✓) the shapes that are divided in equal parts.

a)



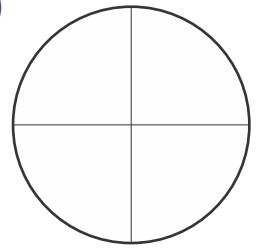
b)



c)



d)



◆ Tick (✓) shapes have coloured parts equal to $\frac{1}{2}$?

a)



b)



c)



d)



◆ Tick (✓) shapes have coloured parts equal to $\frac{1}{4}$?

a)



b)



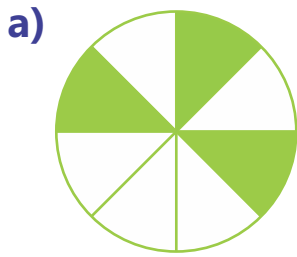
c)



d)

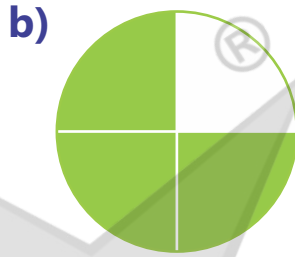


◆ What fractions of following shapes are shaded & not shaded



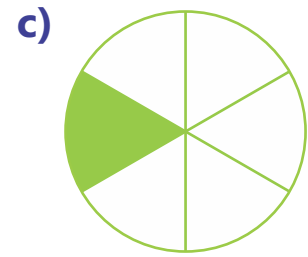
Shaded

Not Shaded



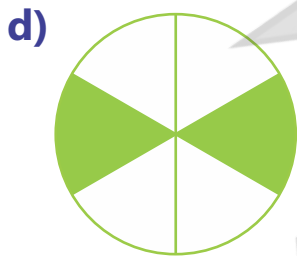
Shaded

Not Shaded



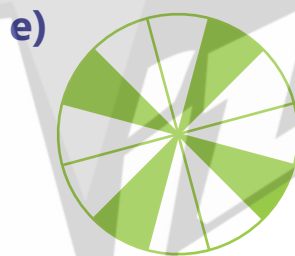
Shaded

Not Shaded



Shaded

Not Shaded



Shaded

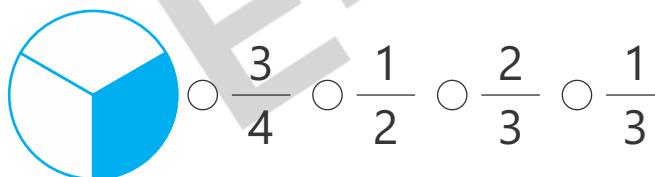
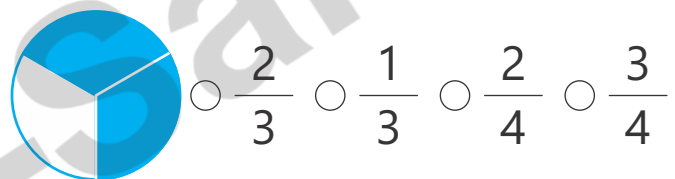
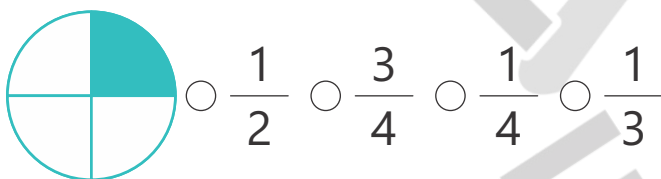
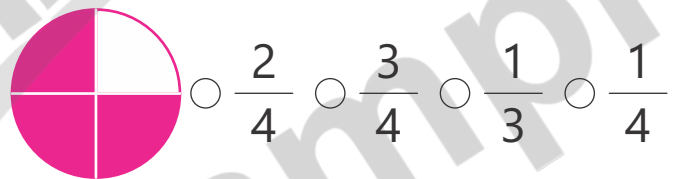
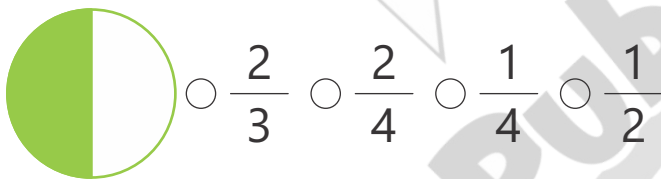
Not Shaded



Shaded

Not Shaded

◆ Colour the correct answer for each fraction.



Student Learning Outcomes

After completing this unit, students will be able to:

- Recognize the number of hours in a day and number of minutes in an hour.
- Read and write the time from a clock in hours and minutes (with five minute intervals).
- Recognize a.m. and p.m.
- Draw hands of a clock to show time in hours and minutes (with five minutes interval)
- Use Solar calendar to find a particular date/day.
- Use Islamic calendar to find a particular date/day.

Time

60 Seconds = 1 minute
60 minutes = 1 hour
24 hours = 1 day
7 days = 1 week

52 weeks = 1 year
365 days = 1 year
Decade = 10 years
Century = 100 years



< “Hours and Minutes” >

Amina is brushing her teeth at time, let's help her in reading and writing the clock.



Let's observe the clock.

A dial of clock is divided into 60 small equal parts and 12 big equal parts.

Types of clock

Digital Clock



Hours

Minutes

Analog Clock



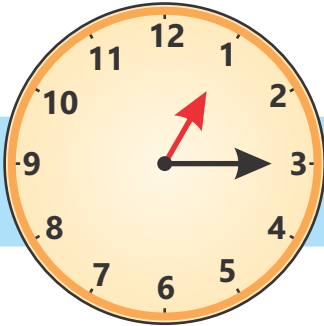
Hours

Minutes

On a digital clock, o'clock = :00
Half past the hour is : 30
The hour hand is between two numbers when it is the half hour.

The Short hand is the hour hand.
The long hand is the 1 minute hand.
There are 60 minutes in 1 hour.
30 minutes = a half hour.

Observe the hands of clock and compare analog time with digital time.



Key Fact

A clock has 12 equal big parts and 60 small parts, small parts show minutes and big parts show hours.

There are 24 hours in a day, hour hand completes two cycles a day.

1 day = 24 hours and 1 hour = 60 mins.

Reading and Writing Time

Let's learn to read and write the time of the given clocks. Hour hand is at 12, minute hand is at 3, means 15 minutes have past. We can write the time as 12:15 and can read as 15 minutes past 12.



Key Fact

When minute hand is on 12 this means "0" minute has passed.



2:00



7:20



7:50



8:30

Telling the time



1 o'clock



2 o'clock



3 o'clock



4 o'clock



5 o'clock



6 o'clock



7 o'clock



8 o'clock



9 o'clock



10 o'clock



11 o'clock



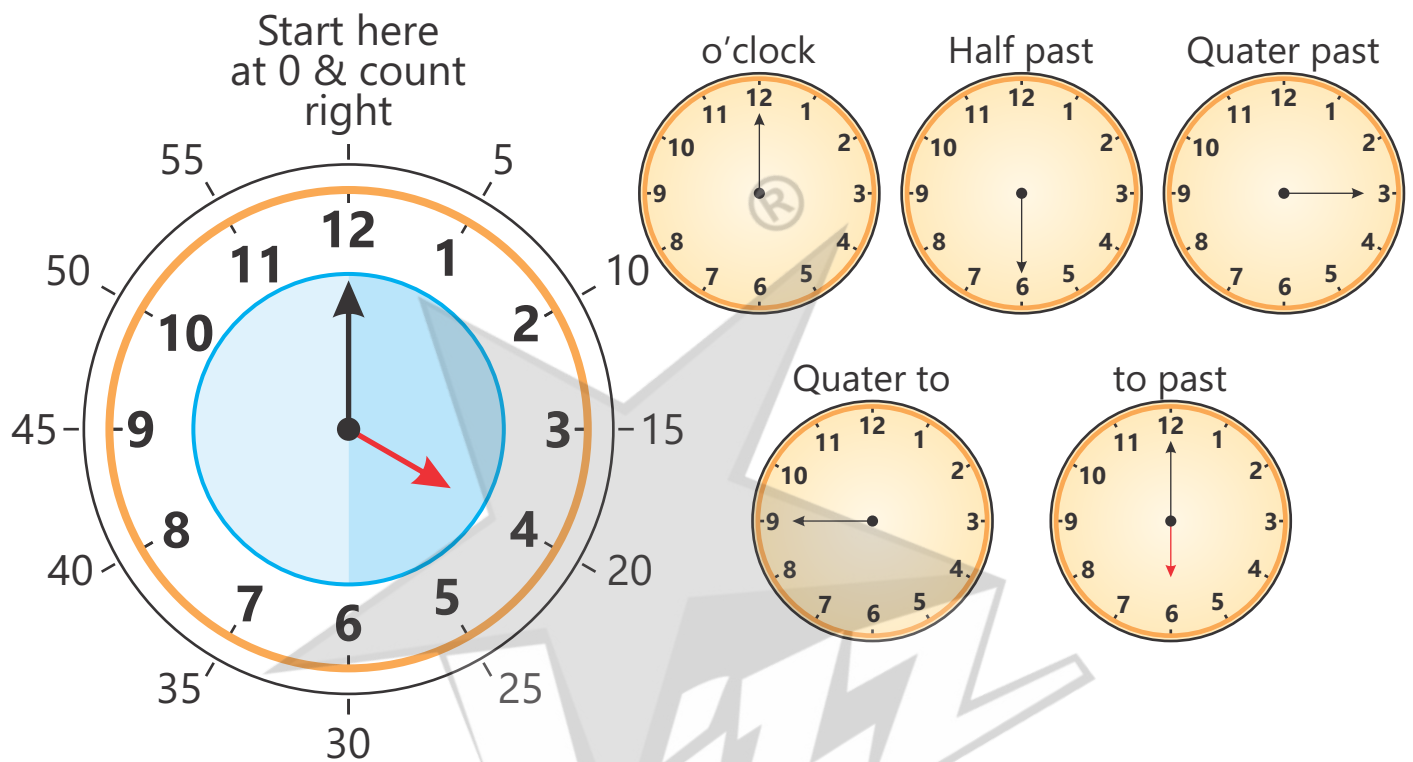
12 o'clock

04:15

06:30

08:00

02:45



Using of a.m. and p.m. in Time



Meaning of a.m. and p.m.

a.m. = "ante meridiem"
(The time from midnight
to noon)
00:00-12:00 noon



p.m. = "post meridiem"
(The time from noon to
midnight)
12:00 noon-12:00 night

a.m.

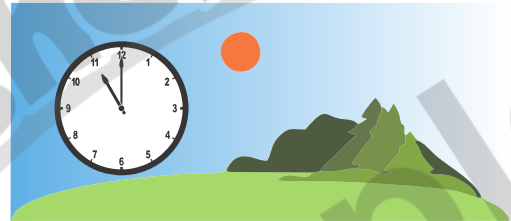


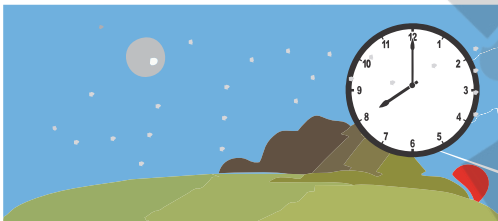
p.m.



◆ Read clock face and write the time. Observe the background of each clock and determine if it's an a.m. or p.m.









◆ Check whether these actions happen in a.m. or p.m.



waking up

☐ a.m. ☐ p.m.



enjoying a campfire

☐ a.m. ☐ p.m.



morning recess at school

☐ a.m. ☐ p.m.



watching a TV after dinner

☐ a.m. ☐ p.m.

jogging in the park
before breakfast

☐ a.m. ☐ p.m.



taking ballet lessons after school

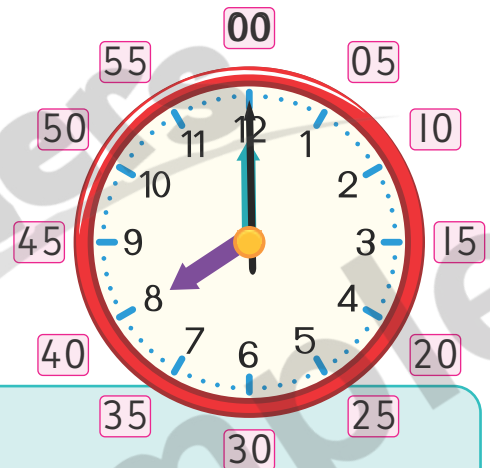
☐ a.m. ☐ p.m.

◆ Drawing Hands of the Clock ◆

Look at big clock hand.

Start at "1" and count by 5s (5, 10, 15...).

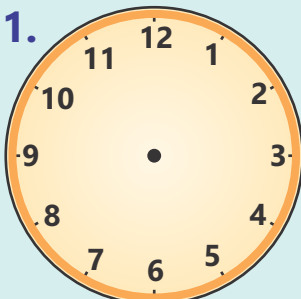
If the big hand is on 12 and short hand is on 8, it means 8 o'clock.



Try Yourself

Draw the hands for each clock.

1.



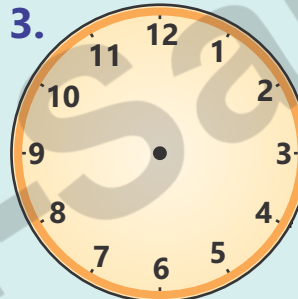
2:20

2.



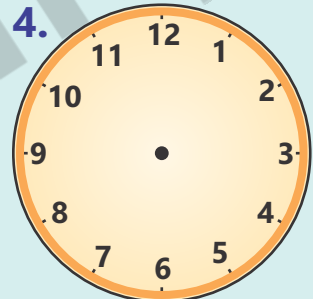
4:35

3.



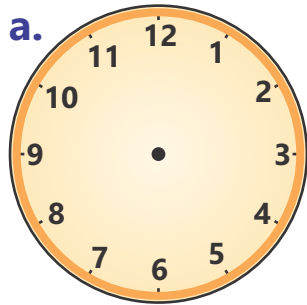
11:40

4.

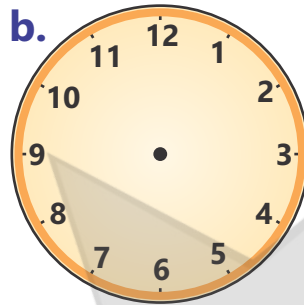


6:50

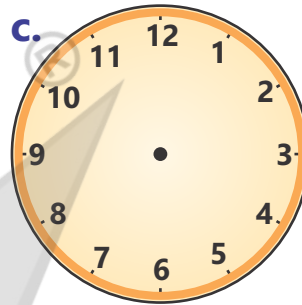
◆ Draw the clock hands to show the time.



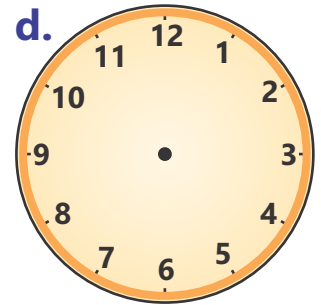
1:30



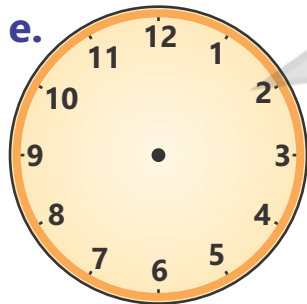
2:45



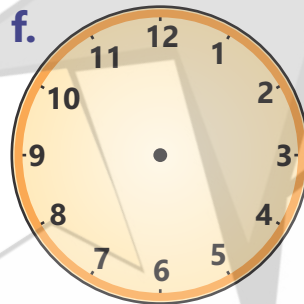
7:35



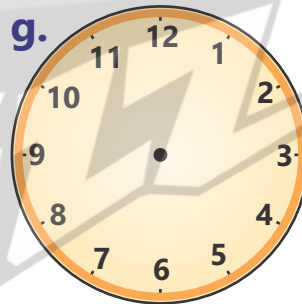
8:20



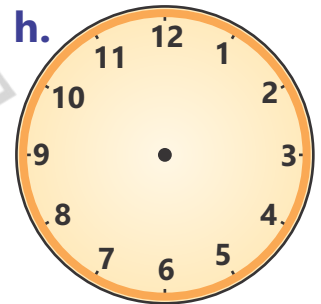
9:55



12:30



9:50



1:00

◆ Telling the time to 5 minutes



5 past 5



5 past 7



5 past 1



5 to 4



5 to 3



5 to 11

◆ **Telling the time o'clock, half and quarter**



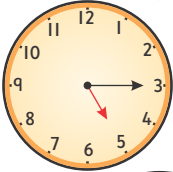
Quarter to 5

4 : 45



Half past 3:30

3 : 30



Quarter past 5

5 : 15



Half past 8:30

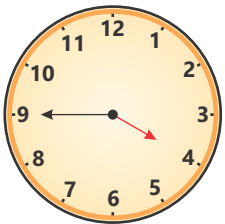
8 : 30



Half past 10:30

10 : 30

◆ **Write the correct time underneath each clock. The first one has been done for you.**



Quarter to 4



Quarter to__



Quarter to__



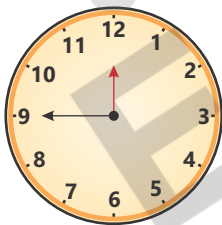
Quarter to__



Quarter to__



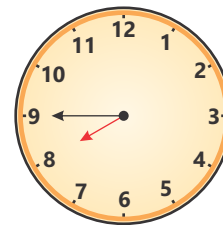
Quarter to__



Quarter to__



Quarter to__



Quarter to__

Review Exercise

- ◆ Read the sentences about your daily routine. Fill in each blanks with an appropriate time.



I wake up at _____



I wash my face and brush
my teeth at _____



I take bath at _____



I eat breakfast at _____



I play soccer at _____



I do my homework from
_____ to _____

- ◆ Choose and match correct time.



11:00

11:40

11:10



5:30

5:00

5:25



12:10

2:30

2:00

- ◆ Read the sentences and look at the clock. Write the time for your daily routine.

I eat breakfast at  _____ : 	I go to school at  _____ : 
I eat snack at  _____ : 	I eat lunch at  _____ : 
I make my bed at  _____ : 	I eat dinner at  _____ : 

◆ Use of "am" and "pm". ◆

The 12 hours running from midnight to noon **(the am hours)**
 The other hours running from noon to midnight **(the pm hours)**

AM



PM

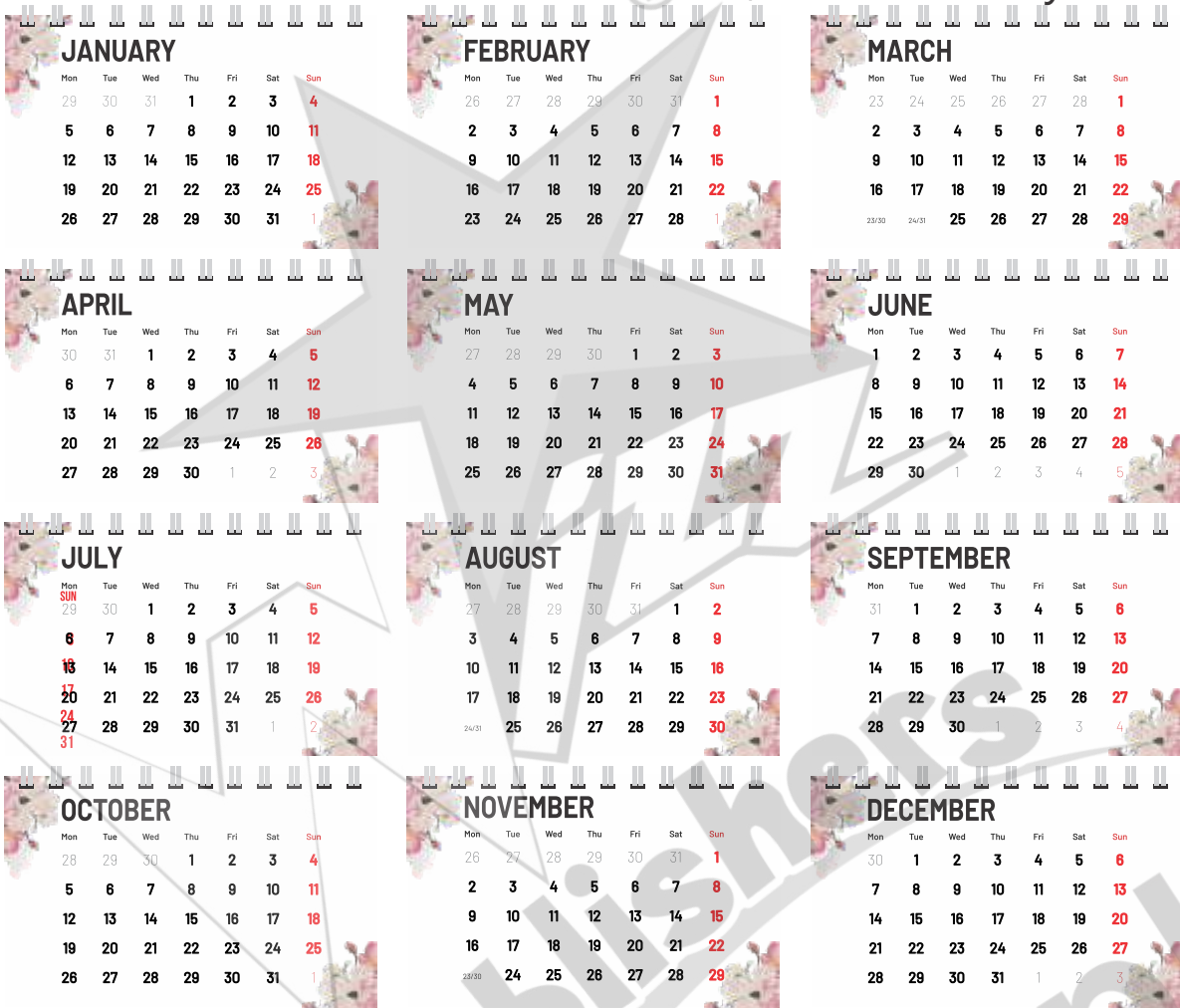


- ◆ Write am or pm. First one has been done for you.
- I go to school at 7:30 am
 - Amna wakes up at 6:00 _____
 - Ali takes his dinner at 9.00 _____
 - Maria Sleeps at 10.00 _____ At night
 - Ali plays cricket at 5.00 _____ In the evening.
 - They go for a walk at 5.00 _____ In the morning.

Solar Calendar

Solar year contains **365** or **366** days and 12 months = **1** year

A calendar is a record of months, dates and days.



Using Solar and Lunar calendar of current year. Write the days in front of dates given.

Date	Day	Date	Day
23 rd March		25 th December	
6 th September		12 th Rabi ul Awal	
14 th August		1 st May	
1 st January		29 th Rajab	
10 th Muharram		1 st Shawwal	

Lunar Calendar

Lunar calendar contains **354** or **355** days.

One year = **12** Months

Muharram 1 July 2024 August 2024	Safar 2 August 2024 September 2024	Rabi'-I 3 September 2024 October 2024	Rabi'-II 4 October 2024 November 2024
Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 6 7 6 7 8 9 10 11 12 8 9 10 11 12 13 14 13 14 15 16 17 18 19 15 16 17 18 19 20 21 20 21 22 23 24 25 26 22 23 24 25 26 27 28 27 28 29 30 31 1 2 29 30 3 4	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 5 6 7 8 9 6 7 8 9 10 11 12 10 11 12 13 14 15 16 13 14 15 16 17 18 19 17 18 19 20 21 22 23 20 21 22 23 24 25 26 24 25 26 27 28 29 30 27 28 29 30 31 1 2 3	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 6 4 5 6 7 8 9 10 7 8 9 10 11 12 13 11 12 13 14 15 16 17 14 15 16 17 18 19 20 18 19 20 21 22 23 24 21 22 23 24 25 26 27 25 26 27 28 29 28 29 30 1 2	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 3 4 5 6 7 8 9 5 6 7 8 9 10 11 10 11 12 13 14 15 16 12 13 14 15 16 17 18 17 18 19 20 21 22 23 19 20 21 22 23 24 25 24 25 26 27 28 29 30 26 27 28 29 30 31 1
Jumad-I 5 November 2024 December 2024	Jumad-II 6 December 2024 December 2024	Sha'ban 8 January 2025 February 2025	Rajab 7 December 2024 January 2025
Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 6 7 2 3 4 5 6 7 8 8 9 10 11 12 13 14 9 10 11 12 13 14 15 15 16 17 18 19 20 21 16 17 18 19 20 21 22 22 23 24 25 26 27 28 23 24 25 26 27 28 29 29 30 30 1	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 2 3 4 5 6 6 7 8 9 10 11 12 7 8 9 10 11 12 13 13 14 15 16 17 18 19 14 15 16 17 18 19 20 20 21 22 23 24 25 26 21 22 23 24 25 26 27 27 28 29 28 29 30	Sat Sun Mon Tue Wed Thu Fri 1 2 30 31 3 4 5 6 7 8 9 1 2 3 4 5 6 7 10 11 12 13 14 15 16 8 9 10 11 12 13 14 17 18 19 20 21 22 23 15 16 17 18 19 20 21 24 25 26 27 28 29 30 22 23 24 25 26 27 28	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 31 1 2 3 5 6 7 8 9 10 11 4 5 6 7 8 9 10 12 13 14 15 16 17 18 11 12 13 14 15 16 17 19 20 21 22 23 24 25 18 19 20 21 22 23 24 26 27 28 29 30 25 26 27 28 29
Ramadan 9 March 2025 March 2025	Shawwal 10 March 2025 April 2025	Dhul Qa'dah 11 April 2025 May 2025	Dhul Hijjah 12 May 2025 June 2025
Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 8 9 10 11 12 13 14 15 16 17 18 19 20 21 15 16 17 18 19 20 21 22 23 24 25 26 27 28 22 23 24 25 26 27 28 29 29	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 6 30 31 1 2 3 4 7 8 9 10 11 12 13 5 6 7 8 9 10 11 14 15 16 17 18 19 20 12 13 14 15 16 17 18 21 22 23 24 25 26 27 19 20 21 22 23 24 25 28 29 26 27	Sat Sun Mon Tue Wed Thu Fri 1 2 3 4 5 28 29 30 1 2 6 7 8 9 10 11 12 3 4 5 6 7 8 9 13 14 15 16 17 18 19 10 11 12 13 14 15 16 20 21 22 23 24 25 26 17 18 19 20 21 22 23 27 28 29 30 24 25 26 27	Sat Sun Mon Tue Wed Thu Fri 1 2 3 28 29 30 4 5 6 7 8 9 10 31 1 2 3 4 5 6 11 12 13 14 15 16 17 7 8 9 10 11 12 13 18 19 20 21 22 23 24 14 15 16 17 18 19 20 25 26 27 28 29 21 22 23 24 25

Key Fact

A lunar month has 29 or 30 days.

Lunar calendar is also called "**Hijri**" or "**Islamic**" calendar.

Days of a Lunar month depends upon the movement of moon.

◆ Match the important dates with their festivals.

1st Muharram

9th-10th Muharram

12th Rabi ul Awal

27th Rajab

15th Shaban

1st Ramadan

27th Ramadan

1st Shawwal

10th Zul Hajjah

Lailatul Meraj

Starts the month of fastings

Lailatul Qadar

Birth of the Prophet Muhammad

Lailatul Barat

Ashura

the beginning of the Islamic year

Eid ul Adha

Eid ul Fitr

VOCABULARY

► Time

► Clock

► Hours

► Minutes

► Seconds

► Solar Months

► Lunar Months

► Ante Meridiem

► Post Meridiem

Revision

◆ Write in numbers.

a) one hundred and eighty-nine

b) two hundred and sixty-five

c) six hundred and seven

d) eight hundred and eleven

◆ Write in words.

a) 428

b) 416

c) 917

d) 700

◆ Count in 10s. Circle the correct number of pencils.

Each bundle has ten pencils.



10

a) 20



b) 40



c) 50



d)

90



e)

30



f)

70



◆ Fill in the missing numbers.

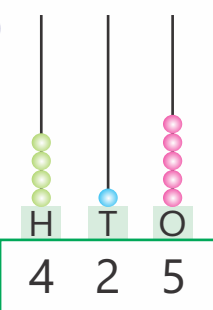
10 Less	Numeral	10 More
20	30	40
	60	
	50	
	40	
	80	

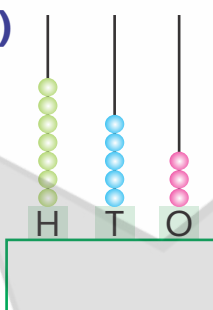
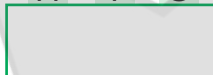
◆ Read the numbers names and write the numbers.

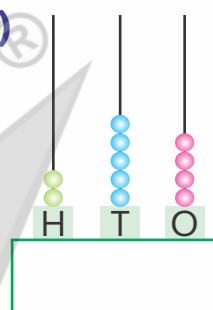
Twenty-three	23
Seventy Six	
Sixteen	
Ninety four	
Eighty five	
Ninety	
Seventy five	
Sixty	

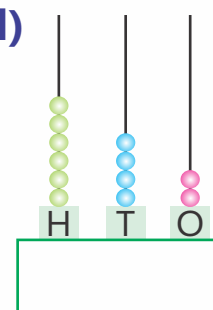
Fifteen	
Thirty One	
Thirty Seven	
Sixty Six	
Twenty Nine	
Forty Eight	
Ninety Two	
Seventy Seven	

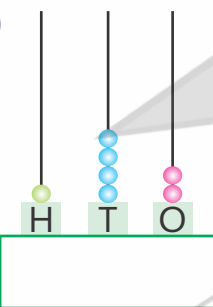
Count the beads and write the number.

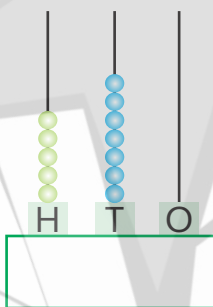
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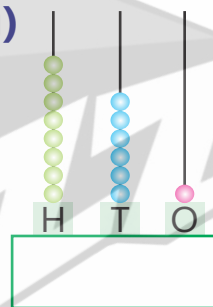
b)  

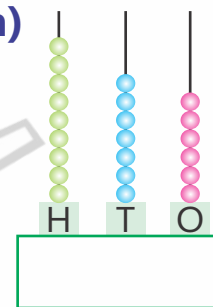
c)  

d)  

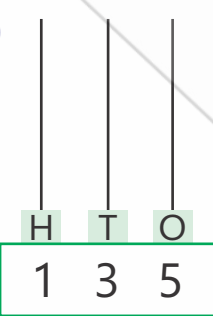
e)  

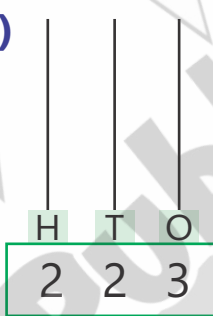
f)  

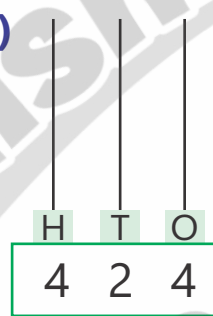
g)  

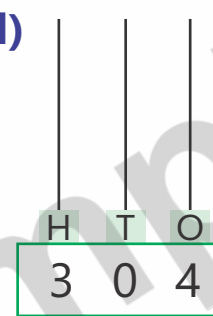
h)  

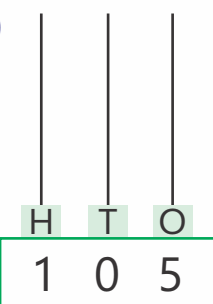
Draw beads on the abacus to show these numbers.

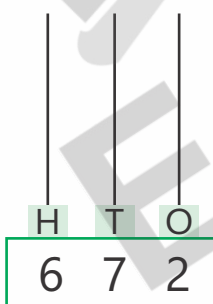
a)  

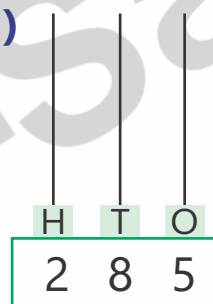
b)  

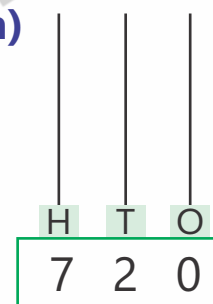
c)  

d)  

e)  

f)  

g)  

h)  

◆ Match the following.

One Thousand [®]

Two hundred and forty

Five hundred and seven

Nine hundred and ninety - three

Five hundred and twenty - two

One hundred and nine

522

993

1000

507

109

240

◆ Arrange the numbers from the smallest to the greatest.

a)

469

196

808



b)

167

204

111



c)

315

632

901

153



◆ Compare write $>$ or $<$ in the empty boxes.

a) $786 \square 781$ b) $841 \square 759$ c) $946 \square 649$

d) $673 \square 678$ e) $991 \square 990$ f) $381 \square 389$

g) $547 \square 536$ h) $820 \square 720$ i) $110 \square 263$

j) $885 \square 689$ k) $482 \square 490$ l) $496 \square 492$

m) $329 \square 328$ n) $219 \square 224$ o) $592 \square 692$

p) $682 \square 690$ q) $473 \square 478$ r) $825 \square 823$

◆ Complete these sums.

a)

T	O
	3
+	9

b)

T	O
	6
+	5

c)

T	O
	5
+	8

d)

T	O
	6
+	4

e)

T	O
	9
+	9

f)

T	O
	7
+	5

g)

T	O
	4
+	7

h)

T	O
	9
+	5

◆ Add the following.

a) $\begin{array}{r} \textcircled{1} \\ \text{T O} \\ 26 \\ + 67 \\ \hline 93 \end{array}$

b) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 56 \\ + 39 \\ \hline \end{array}$

c) $\begin{array}{r} \textcircled{R} \\ \text{T O} \\ 66 \\ + 18 \\ \hline \end{array}$

d) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 34 \\ + 48 \\ \hline \end{array}$

e) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 55 \\ + 38 \\ \hline \end{array}$

f) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 48 \\ + 22 \\ \hline \end{array}$

g) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 77 \\ + 18 \\ \hline \end{array}$

h) $\begin{array}{r} \textcircled{} \\ \text{T O} \\ 52 \\ + 38 \\ \hline \end{array}$

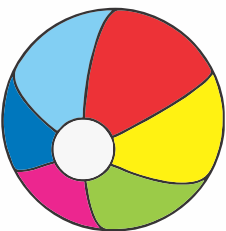
◆ Write the sum in the box and find the answer.



Tariq has saved Rs. 58 so far.
His brother has saved Rs. 35.
How much money have both of
them saved together?

$\begin{array}{r} \textcircled{} \\ \text{T O} \\ 58 \\ + 35 \\ \hline \end{array}$

b)



The big ball costs Rs. 73. The small
ball costs Rs. 18. How much money
is needed to buy both?

$\begin{array}{r} \text{T O} \\ + \\ \hline \end{array}$

c)



Habiba went to the store and bought two things. She paid Rs. 25 for a loaf of bread and Rs. 58 for a bag of rice. How much money did she pay altogether?

T O

+

◆ Add the following numbers

a)

H	T	O
3	4	5
+	2	2
4		

b)

H	T	O
6	3	5
+	3	6
2		

c)

H	T	O
2	1	8
+	7	8
1		

d)

H	T	O
2	6	2
+	4	1
6		

e)

H	T	O
8	0	1
+	1	5
8		

f)

H	T	O
6	0	0
+	3	0
0		

g)

H	T	O
2	3	6
+	5	0
3		

h)

H	T	O
3	2	3
+	4	5
0		

i)

H	T	O
7	8	1
+	2	1
7		

j)

H	T	O
4	0	2
+	5	5
5		

k)

H	T	O
3	6	1
+	2	1
1		

l)

H	T	O
1	7	2
+	7	2
5		

◆ Now add these.

a)
$$\begin{array}{r} \text{H T O} \\ 246 \\ + 167 \\ \hline \\ \hline \end{array}$$

b)
$$\begin{array}{r} \text{H T O} \\ 629 \\ + 35 \\ \hline \\ \hline \end{array}$$

c)
$$\begin{array}{r} \text{H T O} \\ 618 \\ + 203 \\ \hline \\ \hline \end{array}$$

d)
$$\begin{array}{r} \text{H T O} \\ 927 \\ + 45 \\ \hline \\ \hline \end{array}$$

e)
$$\begin{array}{r} \text{H T O} \\ 804 \\ + 158 \\ \hline \\ \hline \end{array}$$

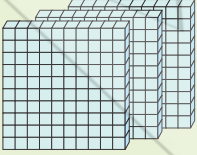
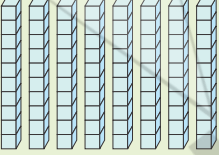
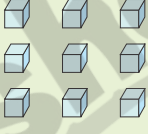
f)
$$\begin{array}{r} \text{H T O} \\ 467 \\ + 326 \\ \hline \\ \hline \end{array}$$

g)
$$\begin{array}{r} \text{H T O} \\ 236 \\ + 546 \\ \hline \\ \hline \end{array}$$

h)
$$\begin{array}{r} \text{H T O} \\ 152 \\ + 649 \\ \hline \\ \hline \end{array}$$

◆ Count the hundreds, tens, and ones.

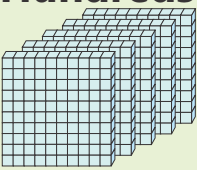
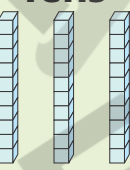
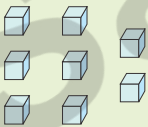
a)

Hundreds	Tens	Ones
		

+ + =

Hundreds
 Tens
 Ones

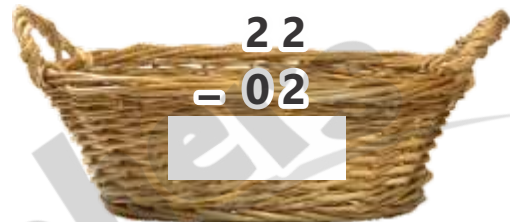
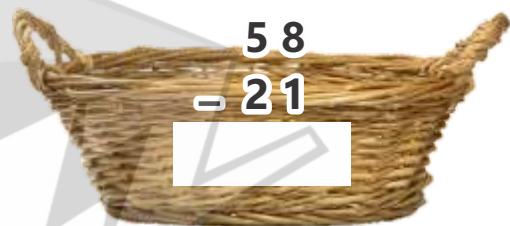
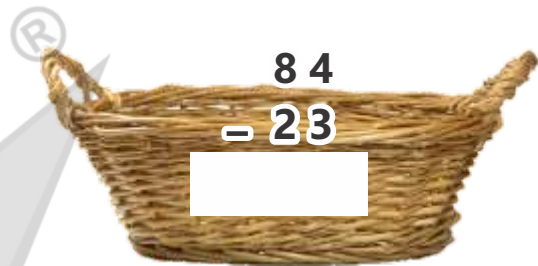
b)

Hundreds	Tens	Ones
		

+ + =

Hundreds
 Tens
 Ones

◆ Match Little Red Riding Hood's Baskets to the correct apples.



◆ Match the following.

3 x 10	•	•	16
7 times 3	•	•	18
8 x 2	•	•	8
3 times 6	•	•	21
2 fours	•	•	30

◆ Match the following.

2 x 3	•	18	•	3 x 6
8 x 3	•	24	•	3 x 5
5 x 3	•	6	•	3 x 2
7 x 3	•	15	•	3 x 7
6 x 3	•	21	•	3 x 8

Multiply

a)

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \\ \hline \end{array}$$

b)

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \\ \hline \end{array}$$

c)

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \\ \hline \end{array}$$

d)

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \\ \hline \end{array}$$

Divide 15 cookies equally among 3 children.



$$15 \div 3 = 5$$

Put 24 apples equally on 4 baskets.



$$24 \div 4 = \square$$

Divide

a) 16 by 2

$$16 \div 2 = 8$$

Think and recall multiplication tables of 2 and 5.

b) 25 by 5

$$25 \div \square = \square$$



◆ Complete the divisions. Use the picture to help you.

$12 \div 2 = \square$	$12 \div 6 = \square$	
$12 \div 3 = \square$	$12 \div 4 = \square$	

◆ Complete the divisions. Use the picture to help you.

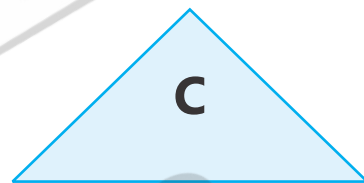
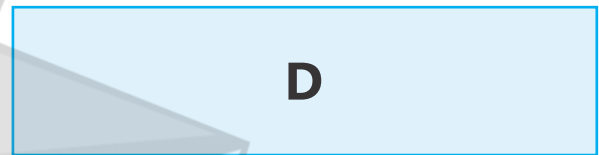
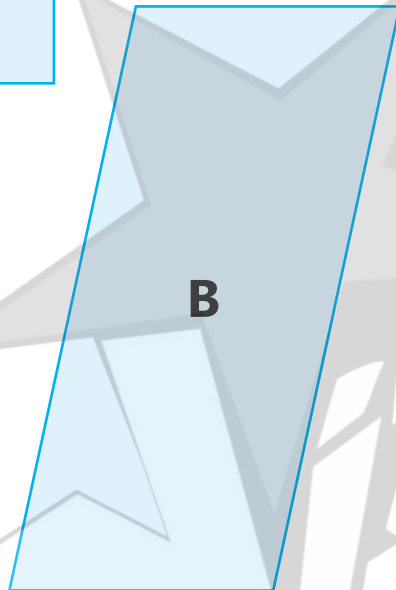
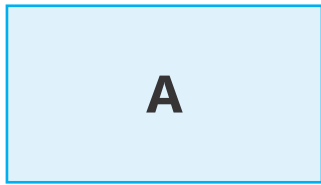
$20 \div 2 = \square$	$20 \div 10 = \square$	
$20 \div 4 = \square$	$20 \div 5 = \square$	

I have 14 sweets and I make groups of 2.

How many groups do I make?

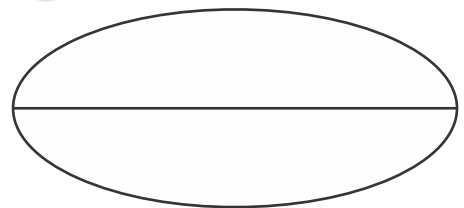
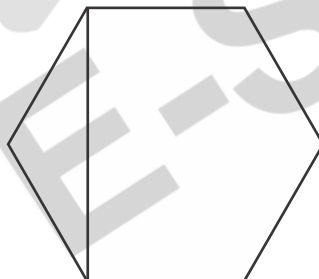
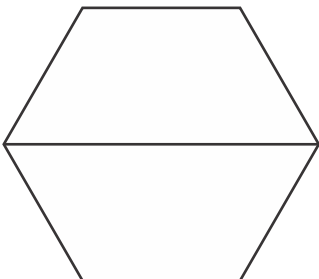
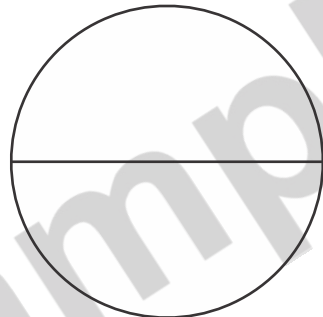
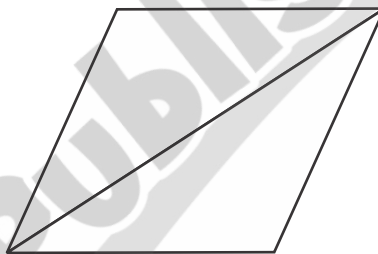
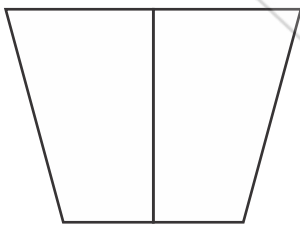
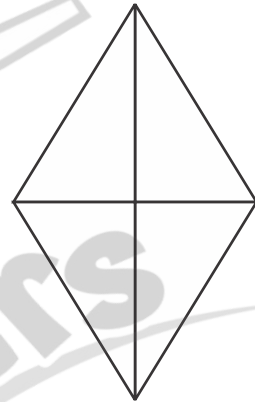
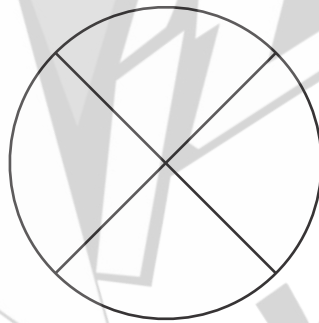
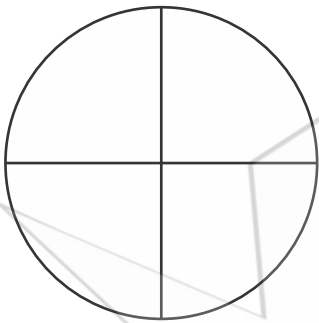
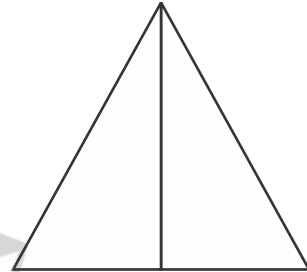
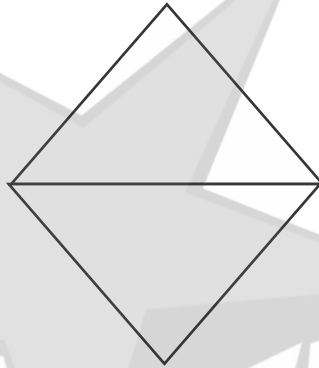
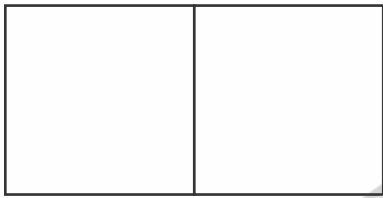


◆ Count the sides. Count the corners. Fill in the table.

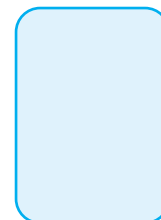
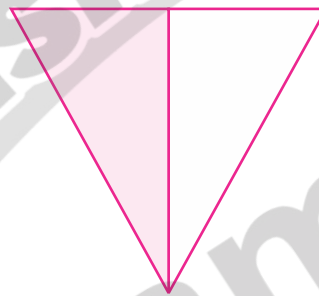
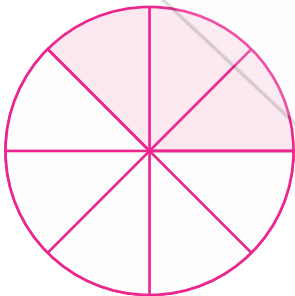
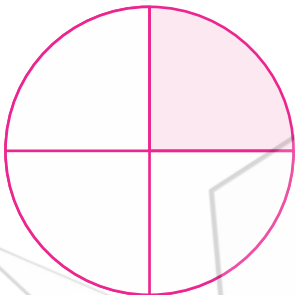
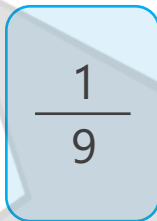
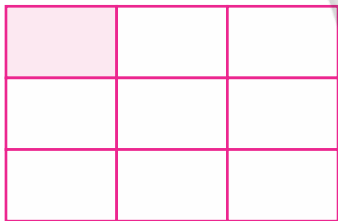


Shape	Number of sides	Number of corners
A		
B		
C		
D		

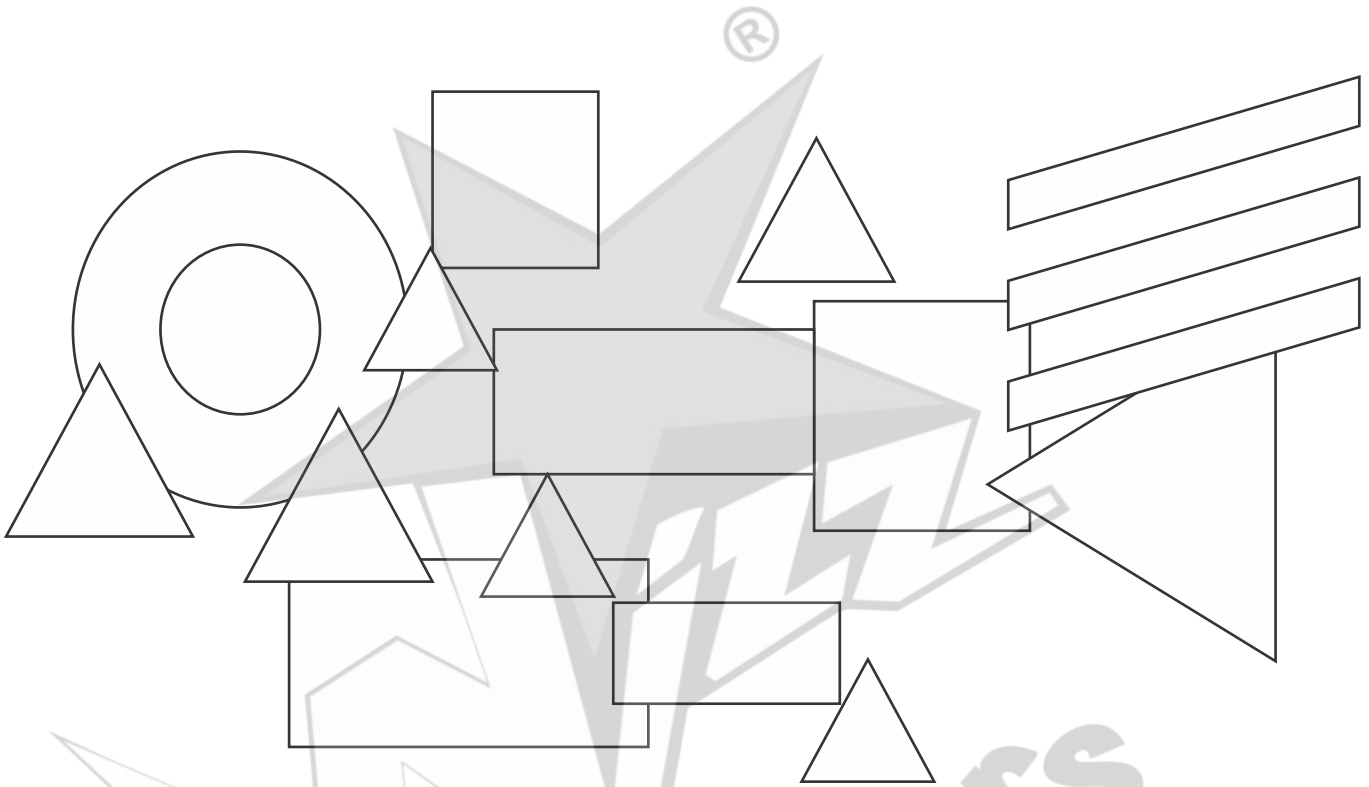
- ◆ The following shapes have been divided into parts. Find all the shapes that show a half and colour them red. Find all the shapes that show a quarter & colour them yellow.

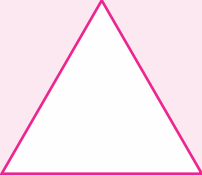


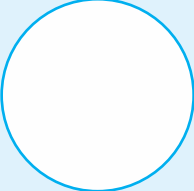
◆ Here are some diagrams. Can you write a fraction for the shaded part of each diagram?



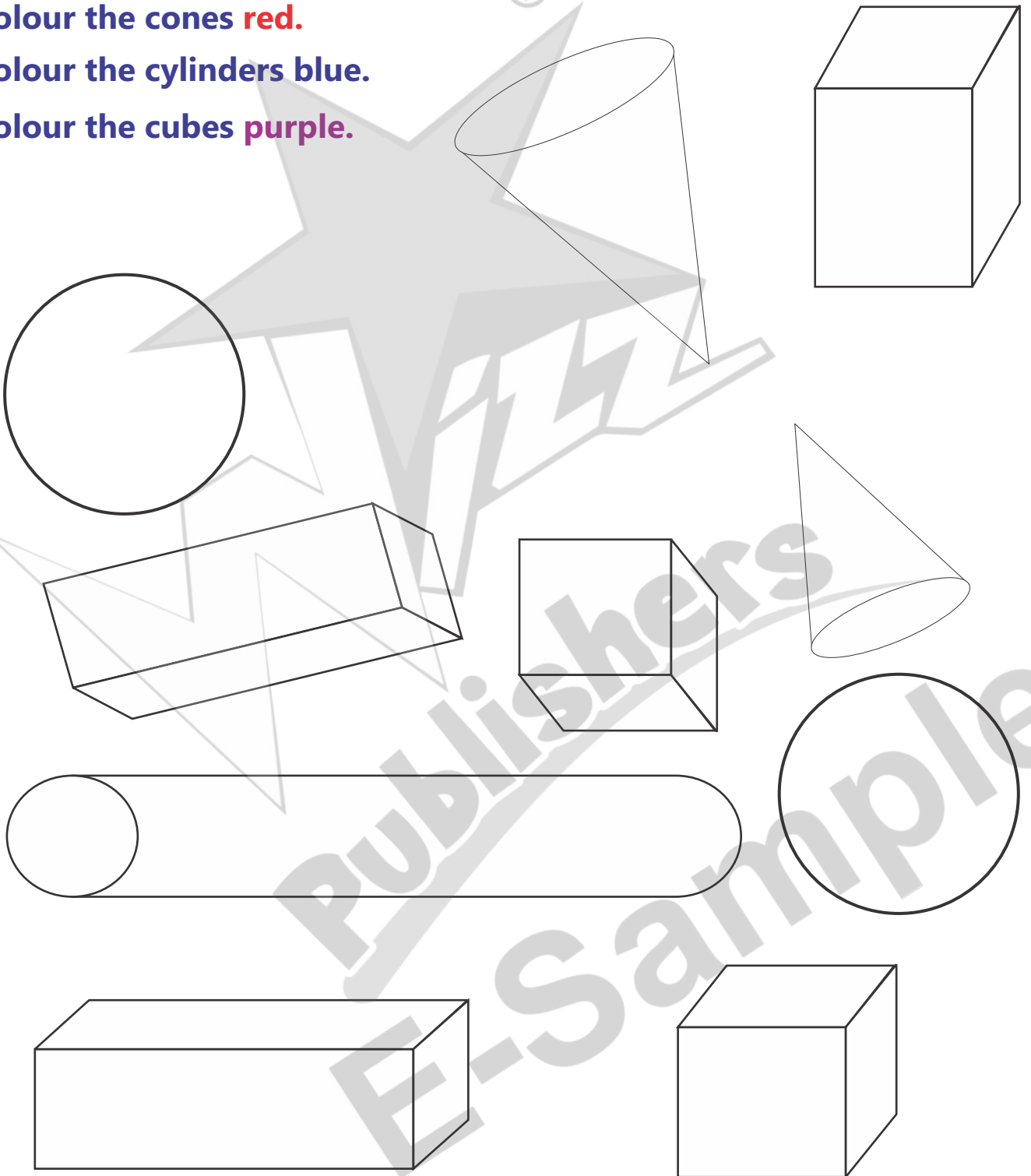
◆ How many of each shape can you find? Write the number in the cloud.



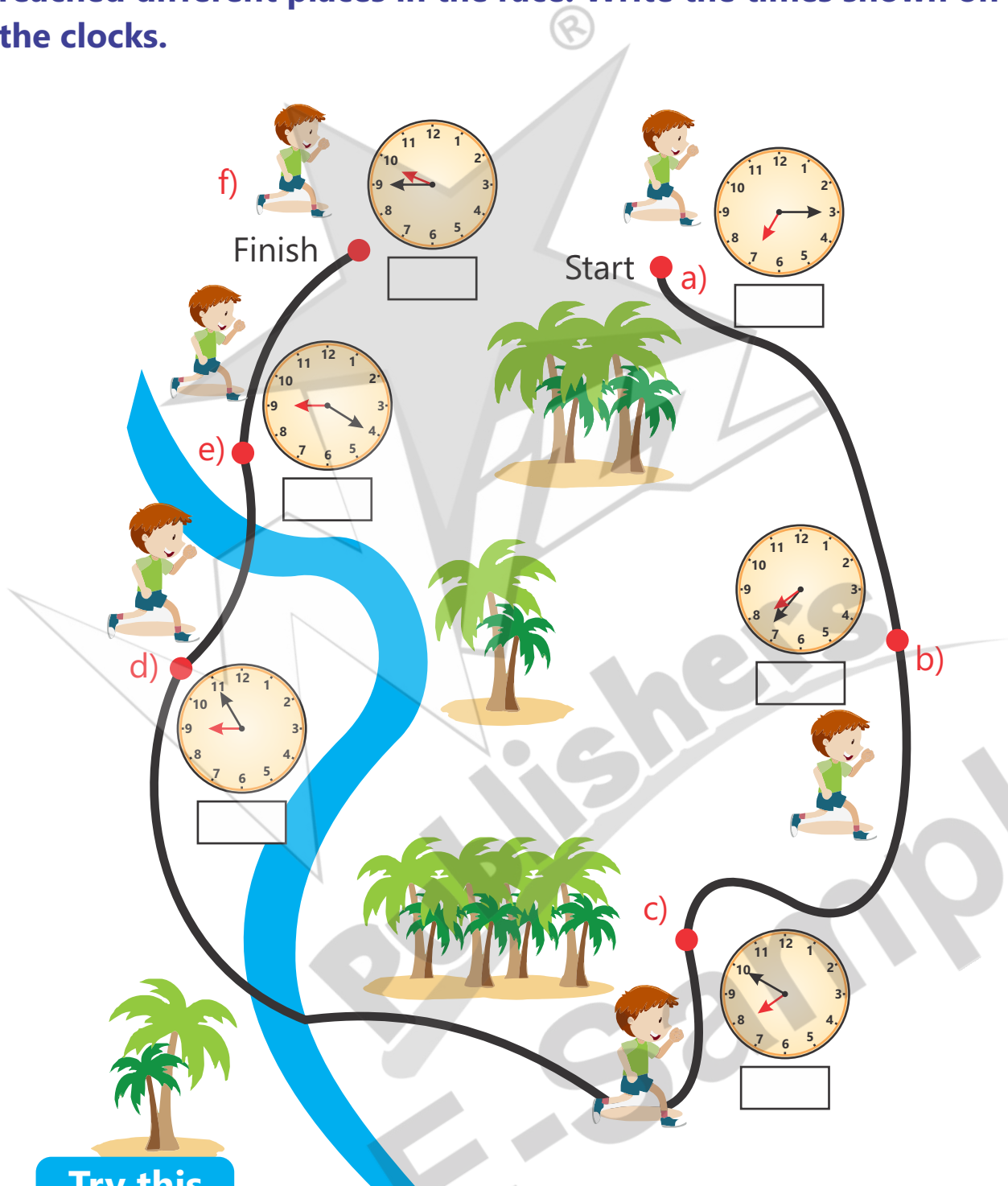
	=			=	
---	---	---	--	---	---

	=			=	
---	---	---	--	---	---

- ◆ Colour the cuboids **yellow**.
- ◆ Colour the spheres **green**.
- ◆ Colour the cones **red**.
- ◆ Colour the cylinders **blue**.
- ◆ Colour the cubes **purple**.



- ◆ Jameel ran a marathon race. The clock shows the times that he reached different places in the race. Write the times shown on the clocks.



Try this

How long the runner take to complete the marathon?



Answer these questions. Use the 2026 calendar.

- Which day of the week is 15th February?
- Which day of the week is 29th June?
- What is the date of the first Tuesday in May?
- What is the date of the second Saturday in October?
- What is the date of the fourth Monday of August?
- What is the date of the last Friday in March?
- How many Tuesdays are there in November?
- What is special about 29th February 2026?

2026

1 JANUARY 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

2 FEBRUARY 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1

3 MARCH 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

4 APRIL 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

5 MAY 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

6 JUNE 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

7 JULY 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

8 AUGUST 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

9 SEPTEMBER 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

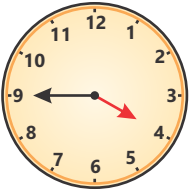
10 OCTOBER 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

11 NOVEMBER 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24	25	26	27	28	29

12 DECEMBER 2026						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

◆ Write the time shown on each clock.

a)


 :

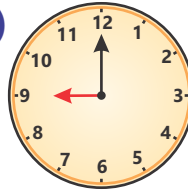
b)


 :

c)


 :

d)


 :

e)


 :

f)


 :

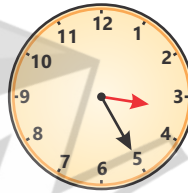
g)


 :

h)


 :

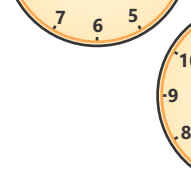
i)


 :

j)


 :

◆ Draw lines to join the matching times.



half past 12

quarter to 5

10 minutes past 9

20 minutes past 5

quarter past 2

55 minutes past 6

04:45

09:10

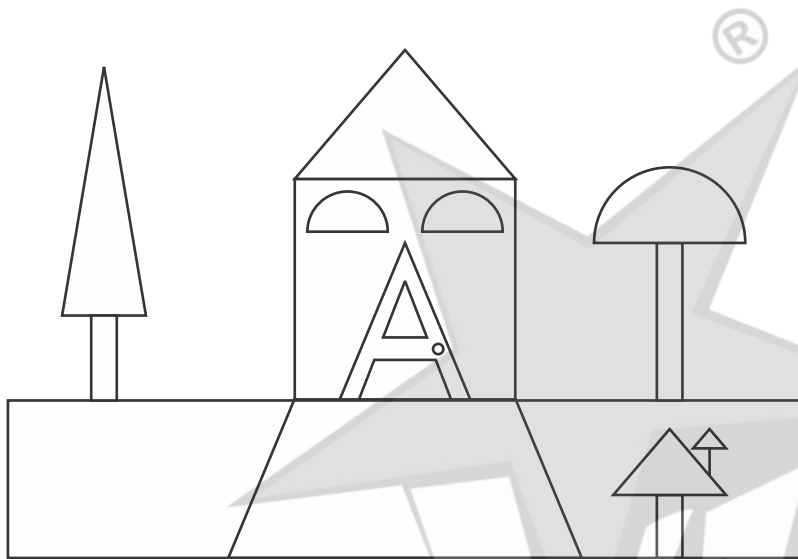
02:15

12:30

06:55

05:20

◆ Look at the picture. Count and fill in the boxes.



In the picture, there are

Triangles

Square(s)

Squares

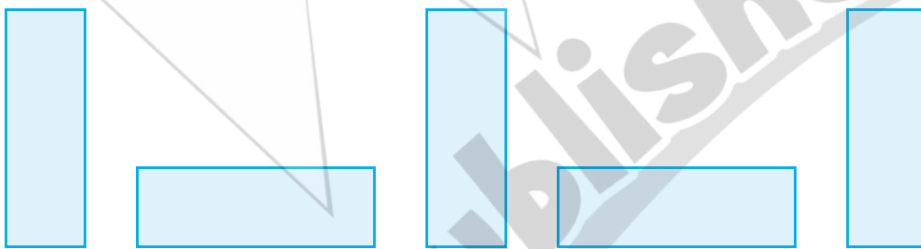
Semicircles

Quarter circle(s)

In the picture, colour all the semicircles green and quarter circle yellow.

◆ In the blanks, draw the shapes that next.

a)



b)



c)

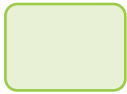


◆ Write the number of straight lines and curves that make up the following shapes.

a)

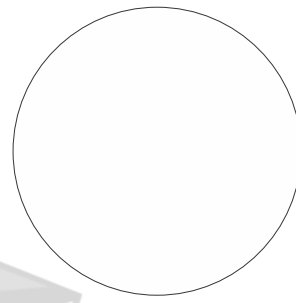


Straight line(s)

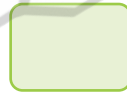


Curve(s)

b)

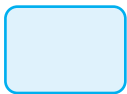
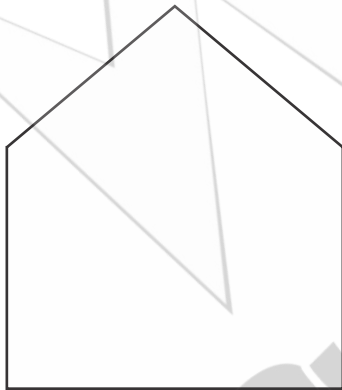


Straight line(s)

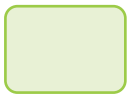


Curve(s)

c)

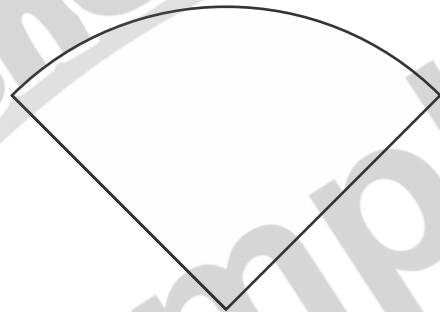


Straight line(s)

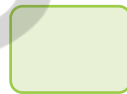


Curve(s)

d)



Straight line(s)



Curve(s)

◆ Group the 26 letters in the boxes below.

A B C D E F G H I J
K L M N O P
Q R S T U V W X Y Z

Letters with only
straight lines

I

Letters with only
Curves

Q

Letters with both
straight lines and
Curves

D

Revision