P2B 蔡卓恩 Joanne Choi

Second Edition

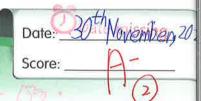
Workbook



Modern Educational Research Society

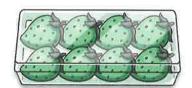


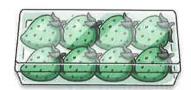
Understanding Multiplication

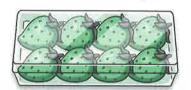


Look at the pictures and fill in the blanks.

① How many strawberries are there altogether?







$$8 + 8 + 8$$
Adding up 3 eights

How many apples are there altogether?













$$4+4+4+4+4+4$$
Adding up 6

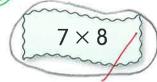
Circle the expressions of repeated addition.

3

$$1 + 3 + 5 + 7 + 9$$

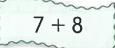
Answer the following questions.

Circle with the same result as '7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7.



8 and 7

7 times 8



 $\boxed{5}$ 3 + 3 + 3 + 3 =

Adding up 4 threes

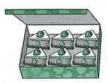
Show this by multiplication:







Each box has 6 pieces of cake. 5 boxes have 30 pieces of cake in total.











Show this by addition: 6 + 6 + 6

Show this by multiplication: 🔏 🗶



Each pencil costs \$2. I buy 4 pencils. How much do I pay in total? Circle the coins for buying 4 pencils. ?



\$2 each

I pay \$____in total.

Show this by addition: 2+2+

Show this by multiplication: ___



12 Multiplication (1)

Date: Score:

Calculate.

1

2

3

 $3 \times 5 =$

$$1 \times 8 = 8$$

$$\bigcirc 0 \times 7 = \boxed{}$$

Fill in the blanks with the card numbers on the right to form two reasonable expressions. (Each card can be used only once.)

10

	$] \times [$	Lur]={	4
0]×[3]=[D



3

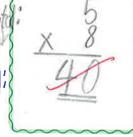


4

Solve the following problems and show your working.

A ferris wheel has 8 cabins. Each cabin can carry 5 people. How many people does a ferris wheel carry in total?

of people a terris wheel carrier people X8 Number of people a ferris wheel carries in total



7th December, 2021

12	Mum shares all dumplings into 9 bowls. Each bowl has 3 dumplings. How many dumplings are there in total?
ع معلي م	Number of damplings in total: 3 damplings X9 2 7 dampling
13	A box has 4 pencils Mr Lee buys 6 boxes for his class.
	Every one has one pencil and no pencils are left. How
	many <u>students</u> are there in his class in total?
	Number of students in his class in total X 6
	(4X6)students
	= 24students
(14)	There are 7 glasses of water on the table.
•	Each glass has 2 ice cubes.
	How many ice cubes are there in 7 glasses
	of water in total?
	Number of ice expes in / glasses of water x 7
	2ice cubes X7
	= 14ice cubes
	After a while, the ice cubes melt and disappear
	in all 7 glasses. How many ice cubes are there
	in 7 glasses of water in total now?
	Number of ice cubes in Talasses of water intotal row: X 7
	Oice cubes X7
	= Dice cabe



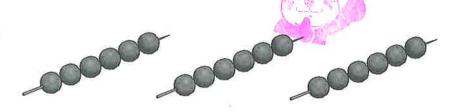
13 Multiplication (2)

Date: Tth December 202

Score:

Fill in the blanks.

① 3 sixes make //



② Adding up 4 sevens gives 28.









- 3 6 times 7 is 42, 7 times 6 is 42.
- 4 10 nines make 90, 11 nines make 49/.

Calculate.

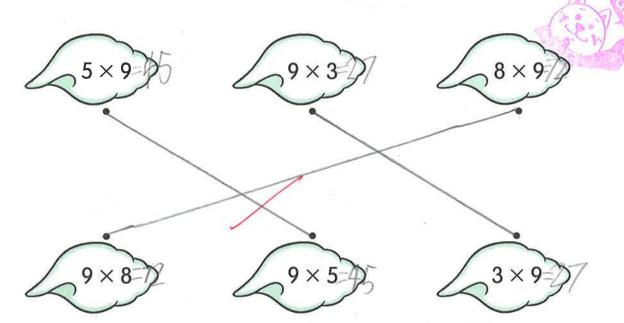
$$\begin{array}{c}
6 & 7 \times 5 \\
= 35
\end{array}$$

Without calculation, link up



with the same result.

(15)



Fill in the blanks.

$$8 \times 3 = 3 \times 8$$
Both results are 24

$$7 \times 9 = 8 \times 7$$
Both results are 56.

$$9 \times 7 = 2 \times 9$$
Both results are 18.

Blacken the circle next to the correct answer.

Which expression below shows the same result, as (3 + 3 + 3 + 3)?

$$\bigcirc$$
 A. 3 + 4=7

$$\bigcirc$$
 B. $3 \times 3 = 9$

② If $\bullet \times \bigstar = 156$, then $\bigstar \times \bullet = ?$



14 Word Problems

Date: 3th December 2021 Score:

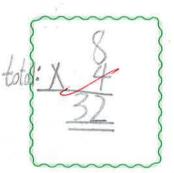
A0

Solve the following problems and show your working.

A small boat can carry 8 people. A travel agency rents 4 small boats. How many people do the 4 small boats carry in total?

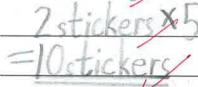
Number of people the 4 small boats corry in total

Opeople 1



2 There are 2 stickers in a bag. The number of stickers in a box equal that in 5 bags. How many stickers are there in a box?

Number of stickers in a box

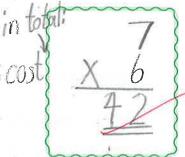




3 A cheese tart costs \$7. How much do half a dozen cheese tarts cost in total?

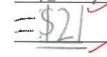
Amount half a dozen cheese tarts cost

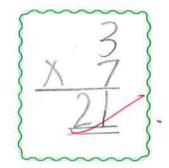
 $\frac{\$/X6}{=\$4?}$



Mia saves \$3 every day. How much does she save in one week in total?

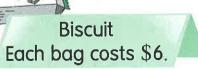
Amount she saves in one week in total:





Chocolate Three bags cost \$7. bags of biscuits in total: 6 A bag of pork jerky has 9 pieces. A bag of beef jerky has 8 pieces.





(a) How much do 5 bags of biscuits cost in total?

(b) What is the <u>difference</u> in cost between a bag

of biscuits and 3 bags of chocolate?

difference in cost between a bag of bisquits bags of chocolate.

I buy 7 bags of pork jerky. How many pieces

of pork jerky are there in total?

Vumber of pieces of pork jerky in tota

oieces X

Sue buys (1) bag of pork jerky and (2) bags of 988beef jerky. How many pieces of jerky are there in total?



15 Hours and Minutes

Date: 20¹⁰

Fill in the blanks.





The hour hand is between 12 and 1.

The minute hand points to mark 30.

The time is (2 : 30)

read as twelve to

Write the time in words.

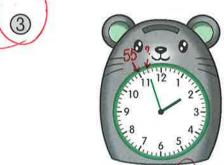














Write numbers on the digital clocks to match the time.













five twenty

eleven o-five

5 minutes past 11





writtenoas: 20 minutes past 5



72

Circle the correct answers.



- The time for having lunch is (longer) shorter) than 1 minute.
- 10 The time for brushing teeth is about 3 (minutes) / hours).
- The time for broadcasting a TV play is about 1 (minute / hour).
- 1 hour is (longer / shorter) than 100 minutes.

Blacken the circle next to the correct answer.

The table below shows the time workers take to clean up different places at school.

Place for cleaning	Time needed
Classroom	50 minutes
Corridor	15 minutes
Toilet	25 minutes
Hall	20 minutes



- Which place needs the shortest time for cleaning?
 - O A. Classroom

B. Corridor

○ C. Toilet

O D. Hall

- (A) Which place needs the longest time for cleaning?
 - A. Classroom

O B. Corridor

O C. Toilet

O D. Hall

- (15) How long does it take to clean up the corridor, the toilet and the hall in total?
 - O A. 1 minute

O B. 50 minutes

© C. 1 hour

OD. 60 hours



16 Time Intervals

Date: Oth February 202

Score:

Fill in the blanks.

Marl is jogging in the park.





He spends 30 minutes for jogging.

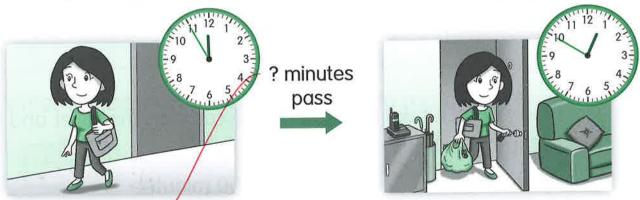
Paul walks from home to the bus stop.





minutes for walking from home to the bus stop. He spends 💍

Mum goes to buy some fruits.



She spends 55 minutes to buy some fruits.

Maths Contest

The Maths Contest starts at 9:32.



4 Kent spends 26 minutes to finish the paper. 32 | .6.15He finishes at 9 : 58.

S Peter spends 42 minutes to finish the paper.
He finishes at 10 : 14 .

6 Lily spends 35 minutes to finish the paper. She finishes at 10:07.



Linda, Susan and Kitty meet at the park at 4:00.

Sissix fifteen

Wisix fifteen

Wisix fifteen

Wisix forty

Wisix fifteen

Wisix forty

Wisix fifteen

Wisix fifteen

Wisix fifteen

Wisix fifteen

Wisix fifteen

Wisix forty

Wisix fifteen

Wisix

7 3:48

After 5 minutes

© P:P

at 3:48. 3.11:55

Linda arrives at the park

Sieleven fifty-tive Win5minutes to 12 12:50 Sitwelve fifty Wi10minutes to 1

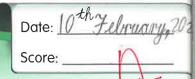
Susan arrives at the park at 3:53.

After 10 minutes



Kitty arrives at the park at 4:03.





Circle the answers.

- 1) 12:00 (noon / midnight) marks the beginning of a day.
- There are (2/24) hours in the afternoon period.

Look at the clocks and fill in the time.

- Jenny is reading a book.
- 4 Wilson is swimming.



5 in the ofterneon



 $S_{\perp}: 14_{\perp}$ in the <u>morning</u>

Danny is sleeping. (5)

Mum is preparing lunch.



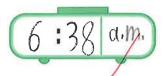
10:03/in the afternoon



46 in the aftern con

Write the time on the digital clocks.

7



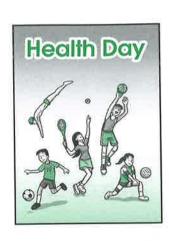
six thirty-eight in the morning



twelve o-five in the afternoon

Health Day

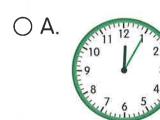
The time table below shows the activities of the School Health Day.

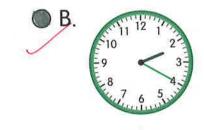


Activ	ity Time Table
Health Talk	10:32 a.m. — 11:28 a.m.
Q & A Section	11:40 a.m. — 12:15 p.m.
Lunch	12:25 p.m. – 1:30 p.m.
Health Diet Movie	1:36 p.m. – 2:35 p.m.
Let's do exercises	2:42 p.m. – 2:57 p.m.

Look at the time table above and answer the questions.

- The health talk starts at ten therty-two in the marning
- Q & A section lasts for 35 minutes. (thirty-two)
- The students are (having lunch) / watching movie / doing exercises) at 1:12 p.m.
- Now is broadcasting the 'Health Diet Movie'. Which clock below shows the time? (Blacken the circle next to the correct answer.)









(Let's do exercises' lasts for 15 minutes. Fill in the finishing time in the table above.



18 Number of Days

Date: 4 February 202

Fill in the blanks.

- ① A common year has 365 days.
- ② There are 3/ days in March.
- ③ In a year, the month has the fewest days is february

Answer the following questions.

			August	8		30/
Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	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			

- 4 Complete the monthly calendar of August above.
- **30th July** is <u>Saturday</u>. (Day of the week)

Blacken the circle next to the correct answer.

- 6 In a leap year, how many days are there in February?
 - A. 28 days

B. 29 days

○ C. 30 days

OD. 31 days

- ② 2024 is a leap year. Which year is the next leap year?
 - O A. Year 2025

O B. Year 2026

O C. Year 2027

- D. Year 2028
- A fast food shop will be closed on the last day of every month
 with 31 days. How many days the fast food shop will be closed
 in one year?
 - O A. 5 days

B. <u>7</u> days

○ C. 10 days

- O D. 12 days
- 2023 is a common year. Which of the following is the date before 1st March in that year?
 - A. 28th February

OB. 29th February

C. 30th February

O D. 31st February

A visit to the theme park

(10) Kay and Mike plan to visit the theme park one day during the period from <u>June to August</u>. Find out the date and fill in the blank.

	J		June			
Sun	Mon	Tue	Wed	Thur	Fri	Sat
	20000000	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			

	mini	9	July	XL)	g ty	io-
Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1/	2	3
4	5	6	7	/8	9	10
11	12	13]4.	15	16	17
18	19	20	21	22	23	24
25	26.	27	28	29	30.	31

	eyr.	A	lugu	st		
Sun	Mon	Tue	Wed	Thu	Fri	Sat
8	2	3	4	5	6	7
15	9	10	11	12		14
22		24	18	19	20	21
	30	31	23	26	27	28



I am free only in a month with 30 days.

I am free only on the last day of each month.



They will visit the theme park on 30

(Date)



19 Problems Related to Dates

Date: 5th Fehruar v. 2012 Score:

DIE

A tour

66	000	20	00	66	66	56
	Medi.		June		AL SA	
Sun	Mon	Tue	Wed	Thur	Fri	Sat
29/5	3/5	3/5	1	2	3	4
05	6	7	08	9	10	11
912	13	14-	®(15).	16.	17	18
1.9	20	21	22	23	24	© 25
26	27	Ø23	2.9	30	1/7	47

Look at the monthly calendar and answer the questions.

- ① Mum has joined a 4-day trip to Taiwan which starts on 5th June. She will come back on 8^{th} June. (Date)
- ② Mr Wong buys a 10-day travel insurance which starts on 12th June. The insurance will end on $2l^{St}$ Tune . (Date)
- Miss Lee has joined a 6-day trip to Japan. She will set off on 15th June and stays for 2 more days after the trip ends. She will come back to Hong Kong on 22nd June. (Date)
- Mr Chan has applied for a visa to Vietnam. He can stay in Vietnam for 30 days at most. If he goes to Vietnam on 25th June, then he must leave Vietnam on 25th June. the latest.

(Date) (24*th July

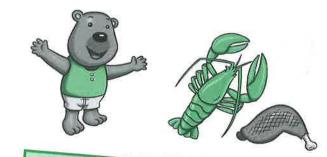
Exhibition hall

An exhibition hall will hold different events during the summer

vacation.

			July			
	Afan	Tue	Wed	Thur	Fri	Sat
Sun	Mon	70	2/16	1	2	3
2/16	496	416	7	8	9	10
(B)(4)	5	013	14	15	16	17
111	12	20	-	22	23	24
18	101	- 0-	0.0	29	@30	31
1 25	1 26	1 41				





		F	lugu	st		
Sun	Moi	7 Tue	Wed	Thur	Fri	Sat
1	2	63	4	5	6	7
8	9	10	11	12	(13)	1/
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1/9.	2/9	3/11	40 Va

Look at the monthly calendars above and answer the questions.

- ⑤ Book Exhibition starts on 13th July and ends on 19th July. It lasts for 7_days.
- © Cartoon Animation Exhibition will be held from 30th July to 3rd August. It lasts for 5 days.
- South-east Asia Food Expo will be held for 8 days. It will end on 13th August. The South-east Asia Food Expo starts on

8

Notice

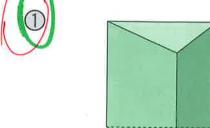
Exhibition hall will be closed from 28th June to 4th July for interior decoration.

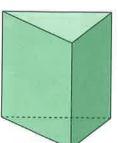


20 3-D Shapes

Date: 23 rd Lebrany Score:

Look at the pictures and fill in the blanks.

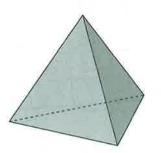




This 3-D shape has base(s) in the shape of a triangular X \triangle triangular XIt is a <u>triangular prism</u>
(Name of the 3-D shape) triangle It has <u>b</u> faces, including

2 base(s) and 3 lateral face(s).

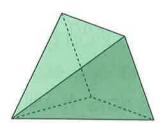




This 3-D shape has base(s) in triangle the shape of a <u>triangular</u> triangulars It is a triangular pyramid (triangular pyramy) (Name of the 3-D shape)

It has 4/ faces, including \angle base(s) and $\underline{3}$ /ateral face(s).

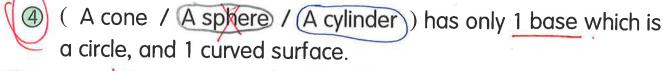
3

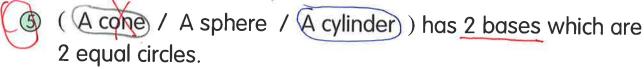


This 3-D shape has base(s) in the shape of a quadri Atem It is a <u>quadrilateral pyranid</u> (Name of the 3-D shape)

It has <u>faces</u>, including \angle base(s) and \angle lateral face(s).

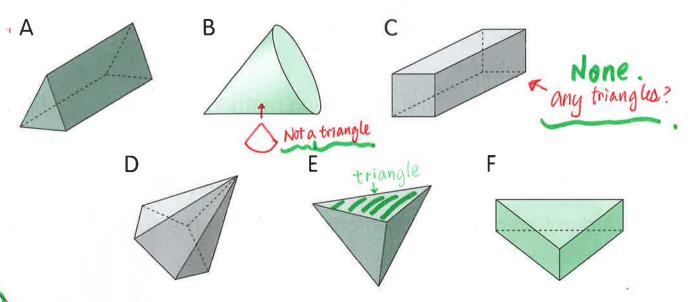
Circle the answers.







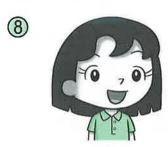
Write down all the letters for the answers.



Shape(s) with lateral face(s) in the shape of a triangle:

Shape(s) with base(s) in the shape of a triangle:

Let's think and fill in the names of the 3-D shapes.



There is a 3-D shape. Its base is a hexagon. All other faces are triangles.

This is a hexagonal pyramid



There is a prism. All its faces are quadrilaterals.

This is a quadrilateral prism x

quadrilateral prism



Time-recording and **Timing Devices**

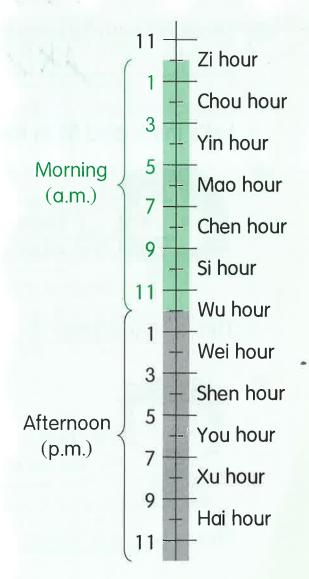
Date: Score:

Fill in the blanks.

- Using the modern time-recording method, there are ____ hours in a day.
- ② Ancient Chinese divided a day into periods.
- A duration of 2 periods in ancient China is the same as ____ hours nowadays.

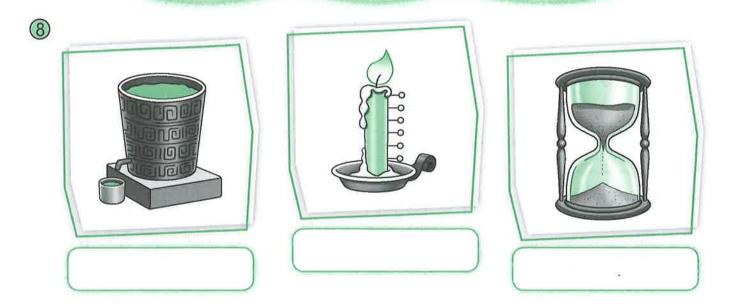
Blacken the circle next to the correct answer.

- What period is it from 1 a.m. to 3 a.m.?
 - O A. Zi hour
- O B. Chou hour
- C. Yin hour D. Mao hour
- ⑤ What period is it at 4 p.m.?
 - O A. Yin hour
- O B. Mao hour
- O C. Shen hour O D. You hour
- 6 Si hour is .
 - O A. in the morning
 - O B. in the afternoon
 - O C. at noon
 - O D. at midnight
- Hai hour starts from 9 p.m. When does it end?
 - O A. 9 a.m.
- O B. 11 a.m.
- O C. 10 p.m.
- O D. 11 p.m.

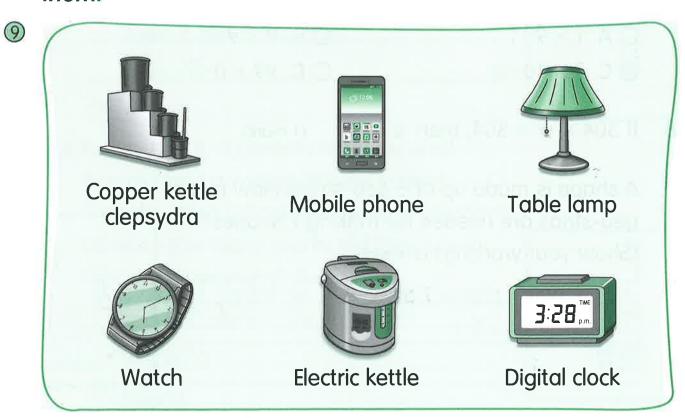


Write the names of the following timing devices.

Candle clock Water clock Stopwatch Kitchen timer Hourglass



Which of the following are modern timing devices? Circle them.



Integrated Test

- 1. Which of the following gives a result different from '4 \times 5'? (1 mark)
 - \bigcirc A. 4 + 4 + 4 + 4 + 4
- B. Adding up 5 fours
- C. 4 times 5

- \bigcirc D. 5 + 5 + 5 + 5 + 5
- 2. $5 \times 10 = 50$ (1 mark)
- 3. $3 \times 9 = 17$ (1 mark)
- 4. $4 \times 8 = 24$ (1 mark)
- 5. $2 \times 0 =$ (1 mark)
- 6. $1 \times 15 = 15$ (1 mark)
- 7. Which expression below gives the greatest result? (1 mark)
 - $\bigcirc A. 1 \times 9 = 9$

 \bigcirc B. $9 \times 9 = 81$

 \bigcirc C. 9 × 10=90

- \bigcirc D. 99 \times 0= \emptyset
- 8. If $304 \times \pm = 304$, then $\pm = 0$. (1 mark)
- 9. A shape is made up of 6 geo-strips. How many geo-strips are needed for making 7 shapes?

 (Show your working) (3 marks)

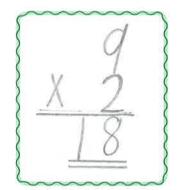
Number of geo-strips needed for making 7 shapesing 8

=42gen-strips

- 10. $8 \times 7 = 7 \times _{8}$ (1 mark)
- 11. 6 times 10 is 60. 10 times 6 is 60. (1 mark)
- 12. A bag of biscuits costs \$9. The price of a bag of chocolate equals that of 2 bags of biscuits. How much does a bag of chocolate cost?

 (Show your working) (3 marks)

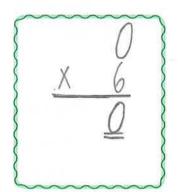
Amount a bag of chocolate cost:



- 13. Happy School and Wise School joined an Interschool Quiz.
 - (a) For section A, a correct answer scored 2 marks and a wrong answer scored 0 marks. Happy School answered all 6 questions wrong. How many marks did they score? (Show your working) (3 marks)

Number of marks they score:
Omarks × 6

=Omarks



(b) For section B, a correct answer scored3 marks and a wrong answer scored0 marks. Wise School answered 5 questionscorrect. How many marks did they score?(Show your working) (3 marks)

Number of marks they score:
3 marks ×5

=15marks



14. After dinner, Dad was reading newspaper on the sofa.



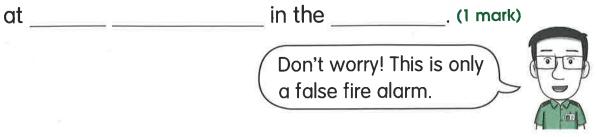


Starting time

Finishing time

(a)	Dad started reading newspaper atin the (1 mark)
(b)	Dad spent minutes for reading newspaper. (1 mark)
(c)	Mum started watching TV at eight fifty-five in the afternoon. Write the starting time on the digital clock. (1 mark)
(d)	Mum turned off the TV after 40 minutes and was ready to rest
	It was in the (1 mark)
(e)	The time for reading newspaper by Dad is minutes * longer / shorter than the time for watching TV by Mum. (* Circle the answer) (1 mark)
(f)	At [12:03 a.m.], when we were
	* having lunch / having dinner / sleeping (1 mark)
	(* Circle the answer),
	suddenly the fire alarm rang for 2 minutes. It stopped

Don't worry! This is only a false fire alarm.

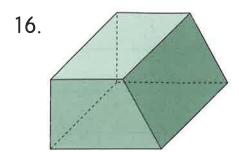


15. The monthly calendar below shows one of the months in 2022.

2022						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
		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					

Look at the monthly calendar and answer the questions.

- (a) The monthly calendar shows the month of _____ which has 28 days. (1 mark)
- (b) 2022 is a * leap year / common year . (* Circle the answer) There are ____ days in that year. (1 mark)
- (c) My brother has joined a 3-day camp for track and field training. He will set off on 4th February and come home on . (Date) (1 mark)
- (d) The movie 'Space Hero' starts showing in cinemas on 10th February and ends showing on 23rd February. Its showing time lasts for _____ days. (1 mark)
- (e) Grandpa will go to hospital for 5 days to have a medical check-up. He will go home on 2nd March. The first day he goes to hospital will be on ______. (Date) (1 mark)



The 3-D shape on the left is a

(Name of the 3-D shape)

It has ____ faces, including ___ base(s)

and ____ lateral face(s). (1 mark)