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Please stick the barcode label in the box

Education Bureau
Basic Competency Assessment Research Study 2017
Primary 3
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 33 questions in this test. Answer all questions.
3. Time allowed is 40 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:

- (a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil**.
For example:

- ☒ A
☐ B
☐ C
☐ D

- (b) Questions in which you are asked to “Show your working” – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.

- (c) Other types of questions – Answer as required in the spaces provided.

School Code
學校編號

P			
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Class
班別

3	
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Class No.
班號

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↑
此格只許填寫一個大楷英文字母
Write one capital letter in this box

1. In which of the following numbers is the digit '6' in the tens place?

☐ A. 18 246

☐ B. 28 461

☐ C. 48 612

☐ D. 68 124

2. The following table shows the number of people admitted to the Fun Fair each day.

	Day 1	Day 2	Day 3
Number of people	10 789	9 988	12 300

Arrange the number of people from the smallest to the largest.

Answer: _____ , _____ , _____
(Smallest) (Largest)

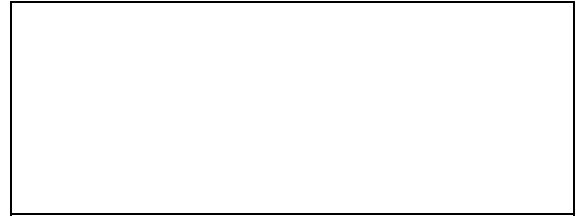
3. Write 'twenty thousand and sixty-eight' in numerals.

Answer: _____

4. $58 + 198 =$ _____

5.	$824 - 129 =$
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Please do not write in the margin.

6. $679 - 245 - 28 =$

- ☐ A. 154
- ☐ B. 406
- ☐ C. 416
- ☐ D. 434

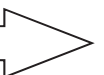
7. $415 \times 6 =$ _____

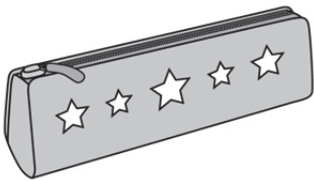
8. $648 \div 3 =$ _____

9. $11 + 9 \times 6 =$

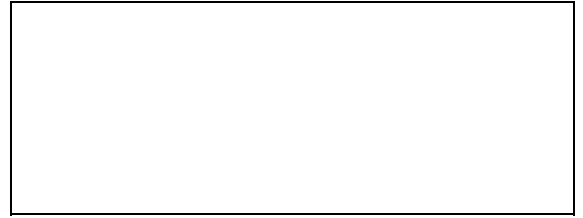
- ☐ A. 20
- ☐ B. 54
- ☐ C. 65
- ☐ D. 120

Please do not write in the margin.



10. There are 32 pieces in each set of Chess.
The total number of pieces in 8 sets of Chess
is _____ .
11. Mr Chan swims for 182 minutes in 7 days. On
average, he swims for _____ minutes each day.
12. There are 250 people on a train originally. When the
train arrives at a station, 135 people get off and
64 people get on.
There are _____ people on the train now.
- 13.
- 
- 20 dollars and 80 cents
- Mary buys 2 pencil cases.
She should pay _____ dollars and _____ cents.

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14.



45 dollars



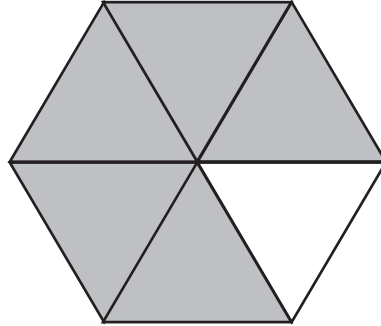
8 dollars

Brian buys 1 cup of popcorn and 4 cups of soft drink.
How much should he pay altogether?
(Show your working)

Please do not write in the margin.

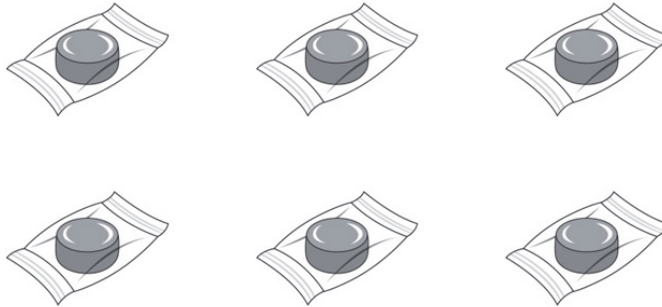
Please do not write in the margin.

15. In the following figure, what fraction of the whole is shaded?



Answer: $\frac{\square}{\square}$ of the whole is shaded.

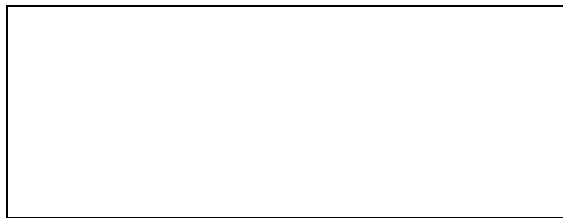
16. Joe has 6 sweets. $\frac{2}{3}$ of the whole are milk sweets.
The rest are fruit sweets.



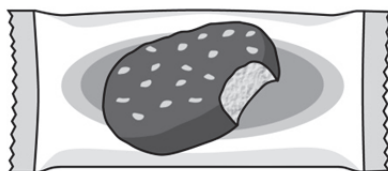
- (a) The number of milk sweets is _____.

(b) $\frac{\square}{\square}$ of the whole are fruit sweets.

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17.



\$ 9.30

(a) An ice-cream bar costs

_____ dollars and _____ cents.

(b) Jimmy pays  to buy an ice-cream bar.

Circle the change returned to Jimmy by the shopkeeper.



Please do not write in the margin.

Please do not write in the margin.

18. Mr Lam pays the following amount to buy a gift.



Mr Lam pays _____ dollars for the gift.

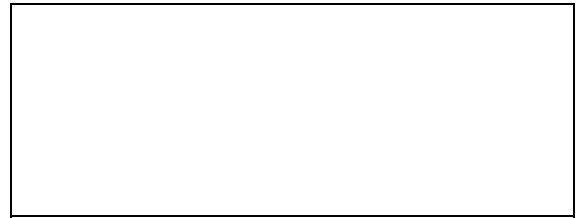
19. Fill in the following blanks with suitable units.

(a) A toothbrush  is about

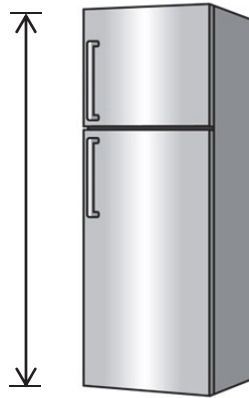
16 _____ long.

(b) An apple  weighs about 200 _____.

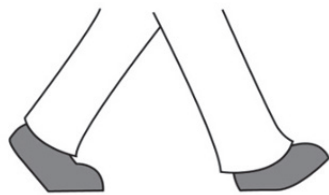
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20.



Which of the following is most suitable for measuring the height of a refrigerator?



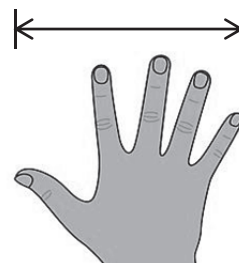
☐ A.



☐ B.



☐ C.



☐ D.

Please do not write in the margin.

Please do not write in the margin.

21. Answer the following questions according to the calendar for November below.

November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					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

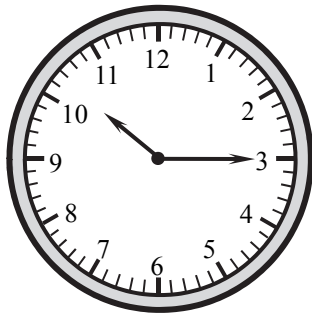
- (a) The school picnic is held on the fourth Friday of November.

That day is the _____ of _____ .
(month)

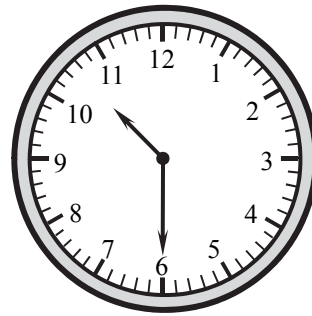
- (b) The penmanship competition is held on the 18th of November.

That day is _____ .
(day of the week)

22. The two clocks below show the starting time and the finishing time of a quiz.



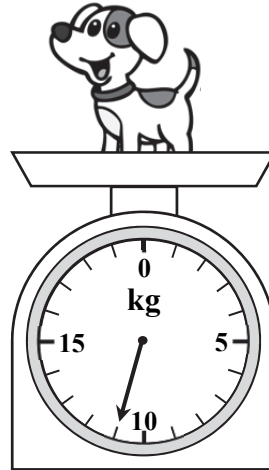
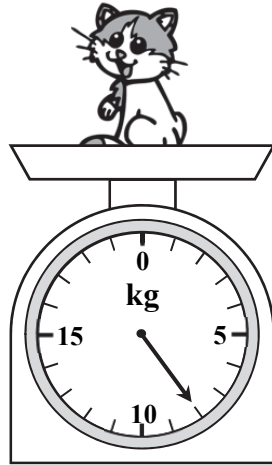
Starting Time



Finishing Time

- (a) The quiz starts at _____ minute(s)
past _____ in the morning.
- (b) The time is 10:25 a.m. now. The quiz has
_____ minute(s) left.

23.



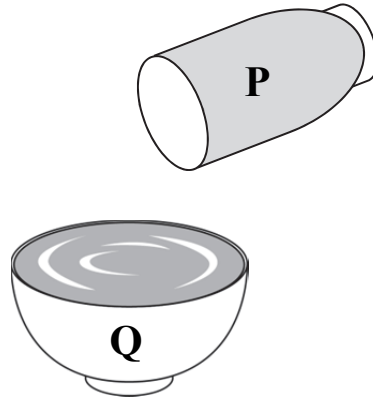
(a) The weight of  is _____ kg.

(b)  is _____ kg * lighter / heavier

than  .

(*Circle the answer)

24.



Fill up the container **P** with water and then pour all the water into the empty container **Q**. The container **Q** is just filled up with the water.

Which of the following is correct?

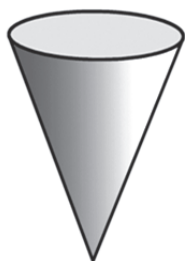
- ☐ A. The capacities of **P** and **Q** are the same.
- ☐ B. The capacity of **P** is greater than the capacity of **Q**.
- ☐ C. The capacity of **P** is smaller than the capacity of **Q**.
- ☐ D. The capacities of **P** and **Q** cannot be compared.

25. The 3-D shape on the right is a

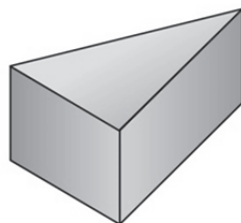
- ☐ A. prism.
- ☐ B. pyramid.
- ☐ C. cylinder.
- ☐ D. cone.



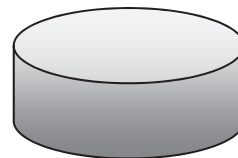
26. Follow the instruction. Write down all the letters for the answers.



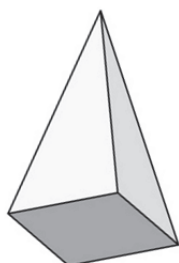
A.



B.



C.



D.



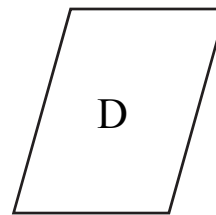
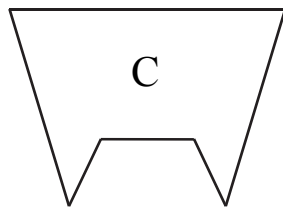
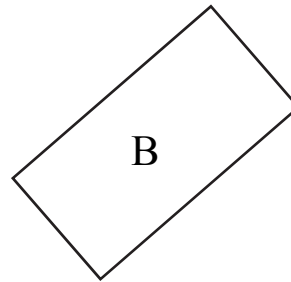
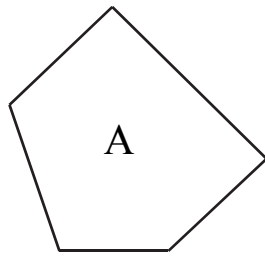
E.

List:

(a) Prism(s): _____

(b) Cone(s): _____

27. Study the 2-D shapes below. Write down all the letters for the answers.

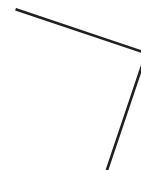
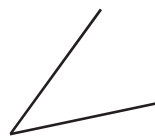
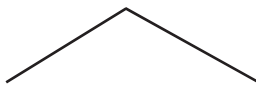


List:

(a) Hexagon(s): _____

(b) Rectangle(s): _____

28. Study the following figures. Write down the letter(s) for the answer.



A.

B.

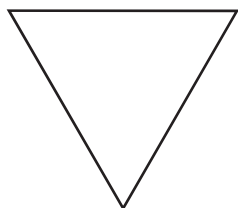
C.

D.

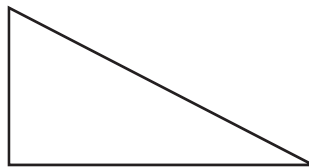
List the figure(s) with right angle(s).

Answer: _____

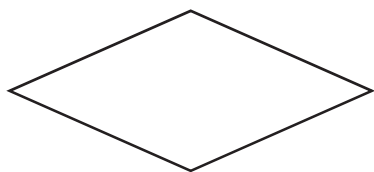
29. Which of the following is an equilateral triangle?



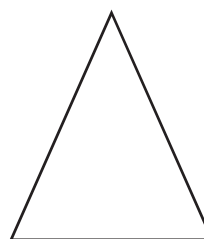
☐ A.



☐ B.

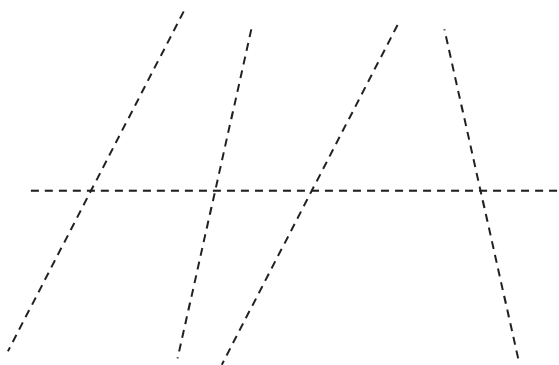


☐ C.

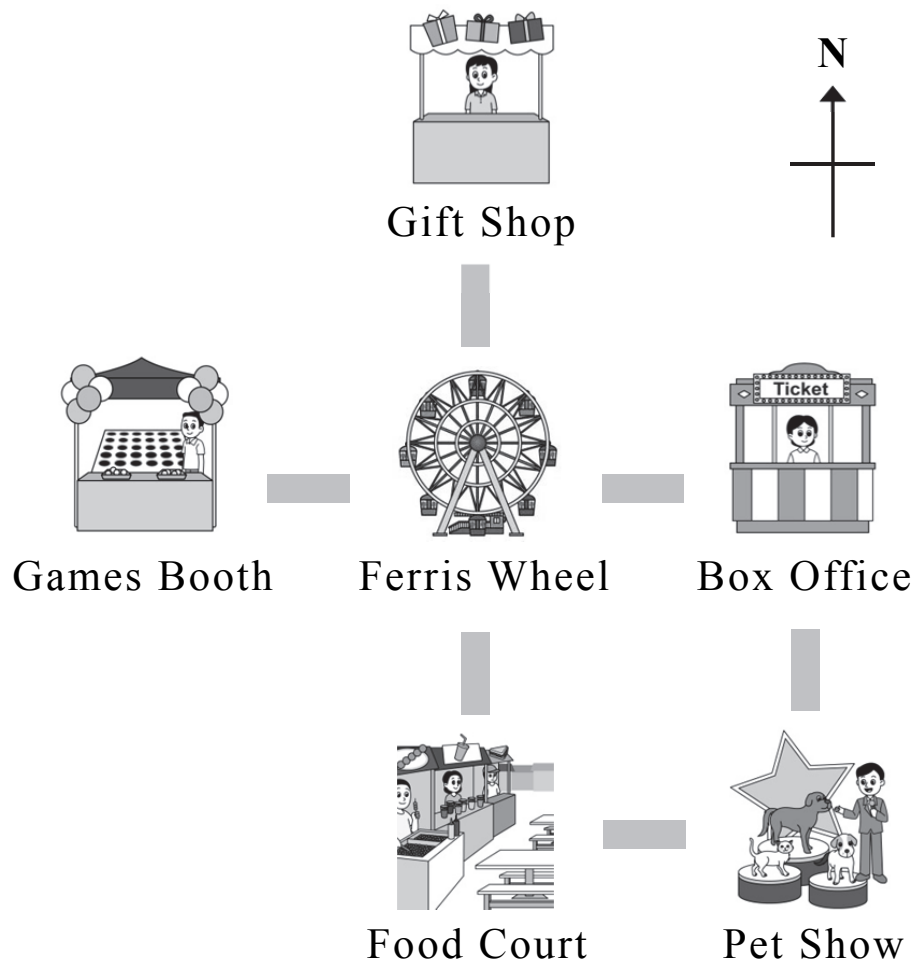


☐ D.

30. In the figure below, draw along the dotted lines to show a pair of parallel lines.



31. The map of a fun fair is shown below.



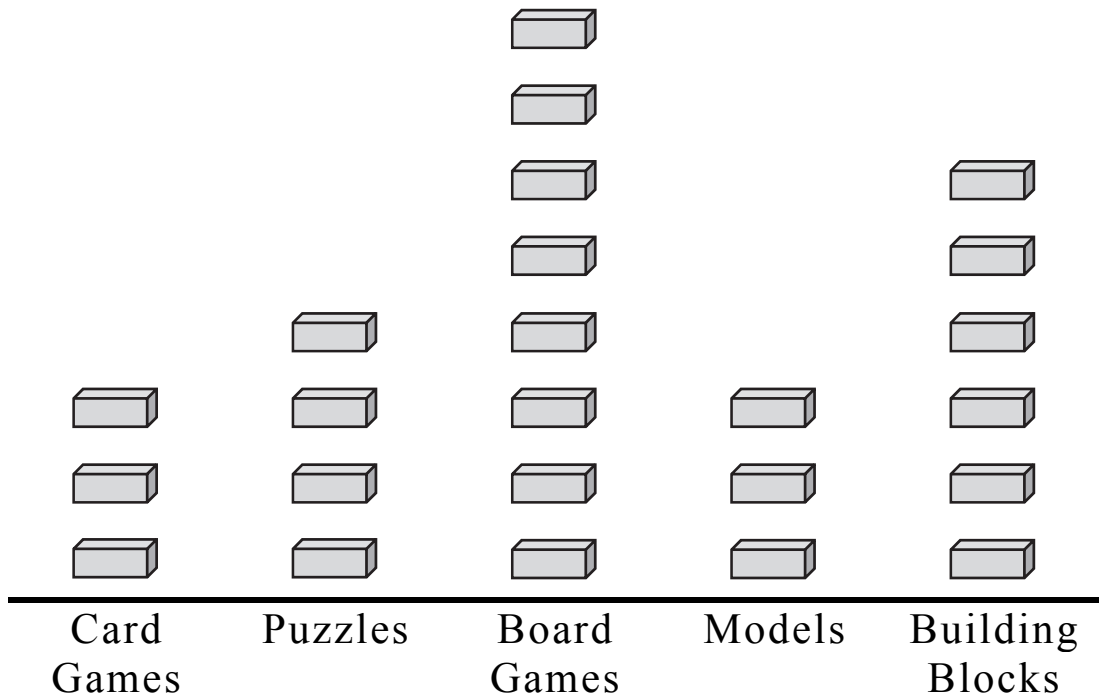
- (a) Starting from Box Office, Tim goes _____ to see the Pet Show.
(direction)
- (b) * Box Office / Food Court / Games Booth
is to the west of Ferris Wheel.
(*Circle the answer)

Please do not write in the margin.

32. Kitty did a survey of the number of different kinds of toys in a play room.

Number of Different Kinds of Toys in the Play Room

Each  stands for 1 box



Please do not write in the margin.

- (a) There are _____ boxes of puzzles in the play room.
- (b) The difference between the number of boxes of board games and that of building blocks is _____ .

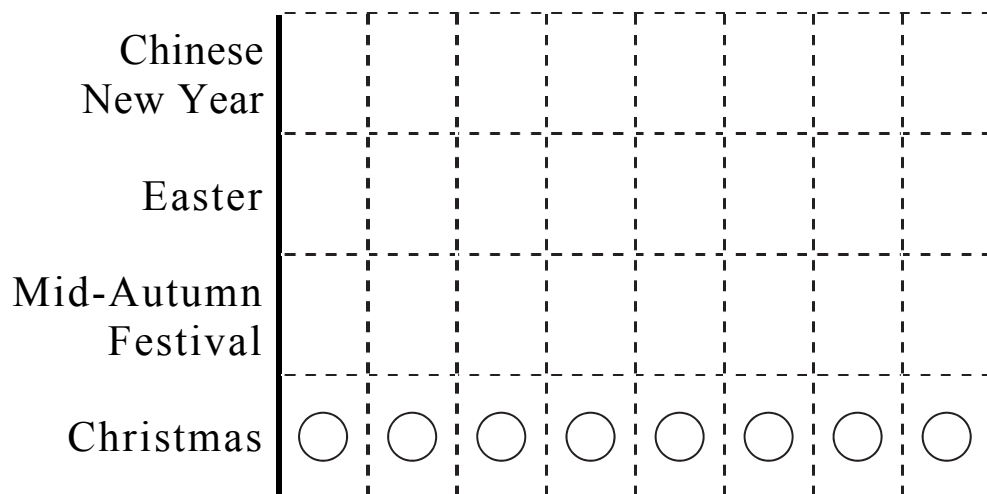
33. The pupils of P.3B voted for their favourite festivals with one person, one vote. The results are as follows:

Festival	Chinese New Year	Easter	Mid-Autumn Festival	Christmas
Number of pupils	6	3	4	8

According to the results, complete the following pictogram and give it a title.

(Title)

Each ○ stands for 1 pupil



— END OF PAPER —

