



\* 3 M E 2 \*

3	M	E	2
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↑  
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Please stick the barcode label in the box

**Education Bureau**  
**Territory-wide System Assessment 2012**  
**Primary 3**  
**Mathematics**

**Instructions:**

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 38 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

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Class  
班別

3	
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Class  
No.  
班號

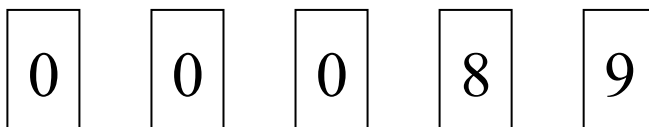
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↑  
此格只許填寫一個大楷英文字母  
Write one **capital letter** in this box

1. In the number 30 096, the digit '3' is in the

- ☐ A. units place.
- ☐ B. hundreds place.
- ☐ C. thousands place.
- ☐ D. ten thousands place.

2.



Use the number cards above to form three 5-digit numbers **larger than** 'ninety thousand'. Write the numbers from the largest to the smallest.

Answer: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(Largest) (Smallest)

3. Write the number '52 008' in words.

Answer: \_\_\_\_\_

4.  $126 + \underline{\hspace{2cm}} = 283 + 126$

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Please do not write in the margin.

5.  $208 - 119 =$  \_\_\_\_\_

6. Fill in the boxes with the correct numbers.

	9	0	4
—	5	9	5
<hr/>			
	<input type="text"/>	0	<input type="text"/>

7.  $609 \times 5 =$  \_\_\_\_\_


8.  $980 \div 7 =$  \_\_\_\_\_

9.  $114 + 26 \times 6 =$

- ☐ A. 240
- ☐ B. 260
- ☐ C. 270
- ☐ D. 840

Please do not write in the margin.

10. The following is John's result in the mathematics test. Part III is covered by dirt.

Mathematics Test	
Part I	26 marks
Part II	35 marks
Part III	
Total	92 marks

John gets \_\_\_\_\_ marks in Part III.

11.



**Seats for Passengers**

Upper deck: 57 seats  
Lower deck: 44 seats

- (a) The double-deck bus has a total of \_\_\_\_\_ seats for passengers.
- (b) The lower deck of the bus can carry 72 passengers at most. The number of passengers allowed to stand on the lower deck is \_\_\_\_\_ .

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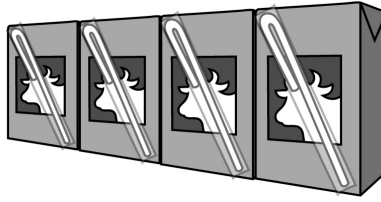
12. Mary bakes 240 buns. After selling 206 buns, she bakes 135 buns again. How many buns does she have now? (Show your working)

13. Alice and I buy one pencil box and one ruler for Tom. Each of us pays 12 dollars. The ruler costs 5 dollars. How much does the pencil box cost? (Show your working)

Please do not write in the margin.

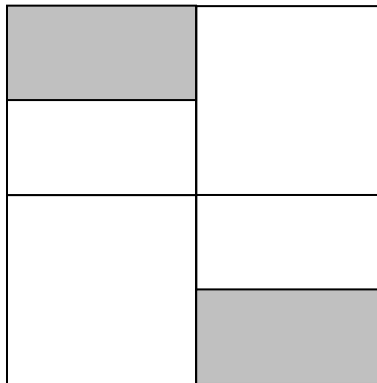


14.

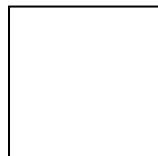


A pack of chocolate milk has four cartons. One pack costs 20 dollars and 40 cents. Each carton of chocolate milk costs \_\_\_\_\_ dollars and \_\_\_\_\_ cents on average.

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



Answer:



of the whole is shaded.

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Please do not write in the margin.

16. (a)  $\frac{6}{7}$  is \* smaller than / equal to / larger than 1.  
(\*Circle the answer)

- (b) Fill in the box with a suitable number.

$\frac{3}{7}$  is larger than  $\frac{3}{\boxed{\phantom{000}}}$ .

17. Macy, Paul and John went home after school.

Macy walked  $\frac{1}{4}$  kilometre, Paul walked  $\frac{1}{3}$  kilometre  
and John walked  $\frac{1}{5}$  kilometre.


Who walked the longest distance?

Answer: \* Macy / Paul / John walked the longest  
distance. (\*Circle the answer)

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18.

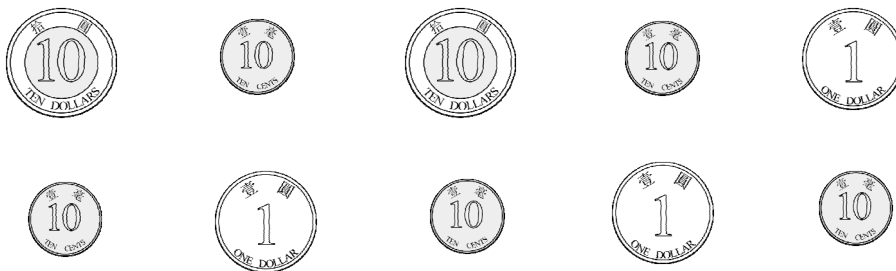
**Friendly Stationery Shop**

<u>Item</u>	<u>Amount</u>
1 ballpoint pen	\$12.10
1 notebook	\$10.20
<b>Total amount:</b>	\$ 
<b>Thank you!</b>	

A receipt of a stationery shop is shown above. The total amount is covered by dirt.

- (a) A ballpoint pen costs \_\_\_\_\_ dollars and \_\_\_\_\_ cents.
- (b) The total amount is \_\_\_\_\_ dollars and \_\_\_\_\_ cents.

19. All coins in Mother's purse are shown below.



She has \_\_\_\_\_ 10-dollar coin(s) altogether.



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20. Fill in the blanks according to the calendar of July below.

July						
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	31				

(a) The graduation ceremony is held on the 12<sup>th</sup> of July.

That day is \_\_\_\_\_ .  
(day of a week)

(b) Jacky joins a swimming class starting on the 13<sup>th</sup> of July. The swimming lessons are held on Tuesdays and Fridays. Jacky has swimming lessons on \_\_\_\_\_ days altogether in July.

(c) The swimming lessons are held from 9:00 a.m. to 10:30 a.m. Each lesson lasts for \_\_\_\_\_ hour(s) and \_\_\_\_\_ minute(s).

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Please do not write in the margin.



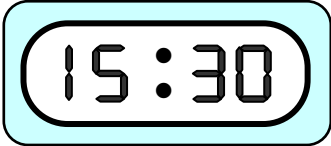
Please do not write in the margin.

21. The following table shows the starting times of the ‘Magic Show’ in a theme park.

	Starting Time
First Show	13:15
Second Show	15:20

- (a) The first magic show starts at \_\_\_\_\_ minute(s)  
\* past / to \_\_\_\_\_ in the \* morning / afternoon.  
(\*Circle the answer)

- (b) Peter arrives at the theme park at



He is \_\_\_\_\_ minute(s) late for the second show.

22. Mother pays the following amount for some food in the supermarket.



Mother pays \_\_\_\_\_ dollar(s) and \_\_\_\_\_ cent(s).

Please do not write in the margin.

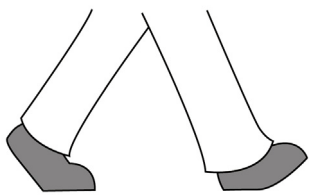
23. Mary runs around the sports ground for one lap. Which of the following is most suitable for measuring the length of one lap?



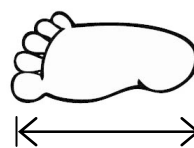
☐ A. arm length



☐ B. finger width

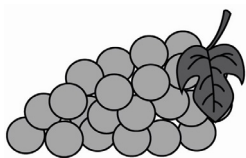
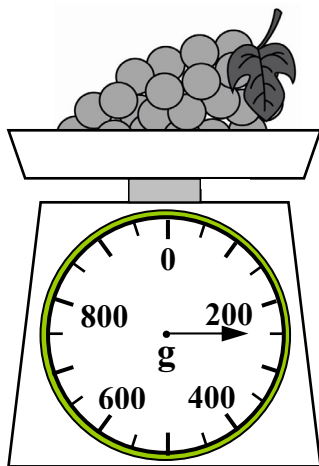


☐ C. stride length



☐ D. foot span

24.

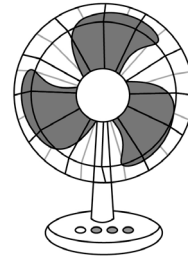


weigh \_\_\_\_\_.  
(Give your answer with a unit)

25. Which of the following is the heaviest?



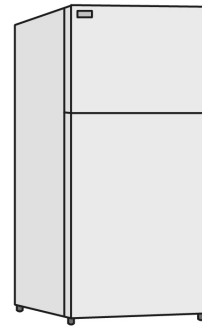
☐ A. a calculator



☐ B. a fan



☐ C. an umbrella



☐ D. a refrigerator

26. Fill in the following blanks with suitable units.

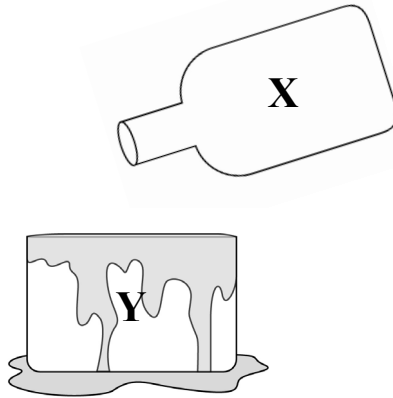
(a) The thickness of a student handbook is about 5 \_\_\_\_\_.

(b) The weight of a story book is about 900 \_\_\_\_\_.

(c) The length of a pencil is about 19 \_\_\_\_\_.

(d) The weight of a bag of rice is about 5 \_\_\_\_\_.

27. Fill up Container **X** with 1 litre of water, then pour all the water into Container **Y**.



Which of the following is correct?

- ☐ A. The capacity of **Y** is larger than the capacity of **X**.
- ☐ B. The capacity of **Y** is smaller than 1 litre.
- ☐ C. The capacity of **Y** is 1 litre.
- ☐ D. The capacity of **Y** is larger than 1 litre.

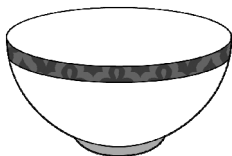
28.



of water can fill up



of water can fill up



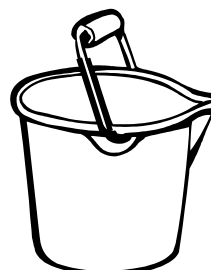
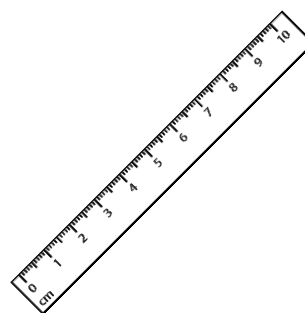
of water can fill up \_\_\_\_\_



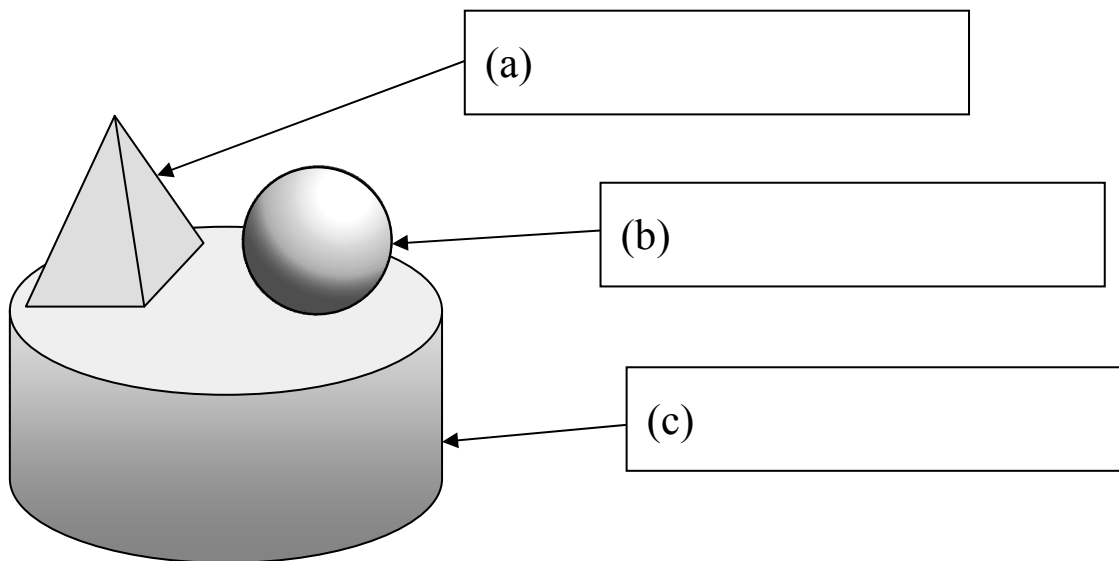
29.



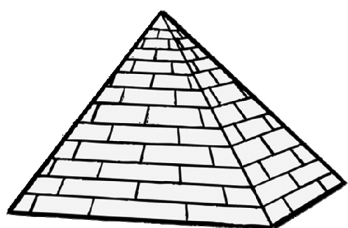
Which of the following is most suitable for measuring the capacity of a milk bottle?

☐ A.☐ B.☐ C.☐ D.

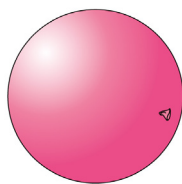
30. The model below is made up of three 3-D shapes. Write their names in the boxes.



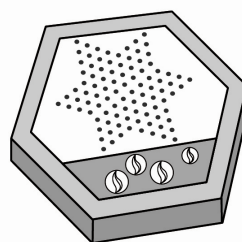
31. Follow the instructions. Write down all the letters for the answers.



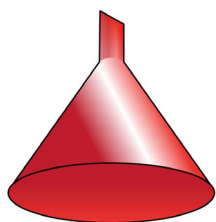
A



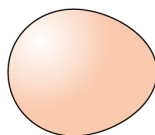
B



C



D



E



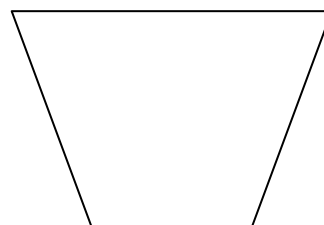
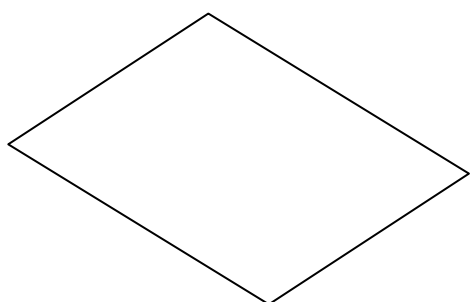
F

List:

(a) Sphere(s): \_\_\_\_\_

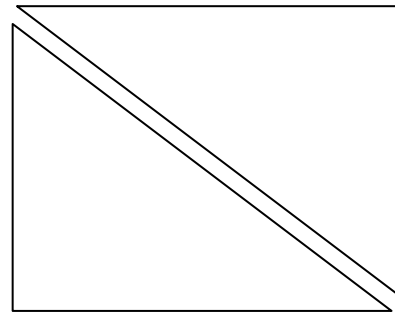
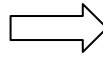
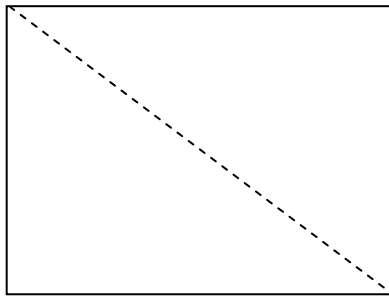
(b) Prism(s): \_\_\_\_\_

32. Name the following quadrilaterals.



(a) Answer: \_\_\_\_\_ (b) Answer: \_\_\_\_\_

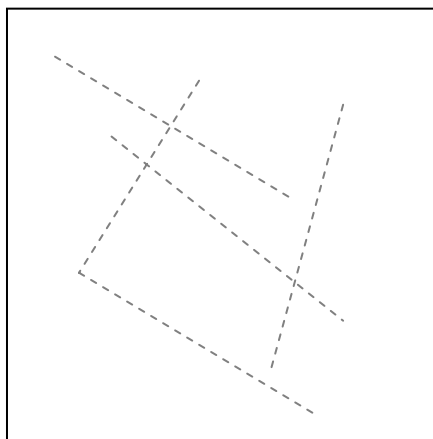
33.



By cutting along the dotted line in the rectangle above, you can get

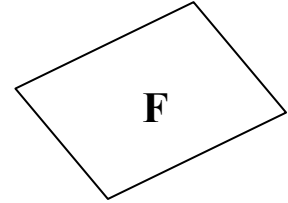
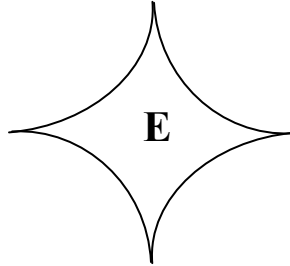
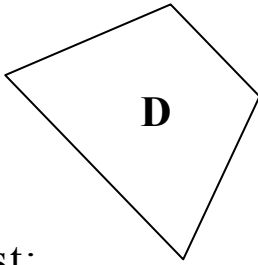
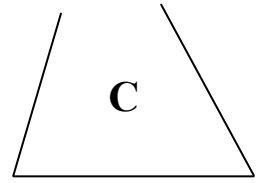
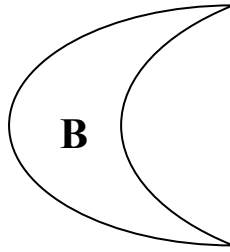
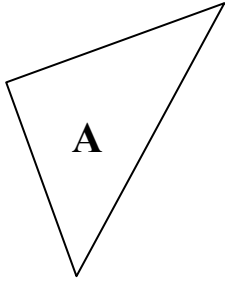
- ☐ A. two isosceles triangles.
- ☐ B. two right-angled triangles.
- ☐ C. two equilateral triangles.
- ☐ D. an isosceles triangle and a right-angled triangle.

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





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

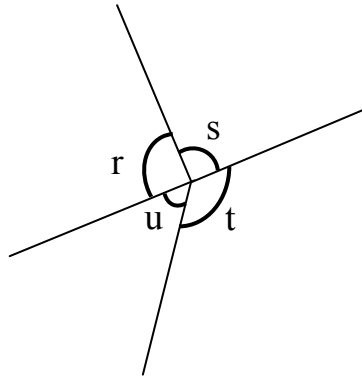


List:

(a) Triangle(s): \_\_\_\_\_

(b) Quadrilateral(s): \_\_\_\_\_

36.



(a) The right angle(s) shown in the figure above is/are  
\* r / s / t / u . (\*Circle the answer(s))

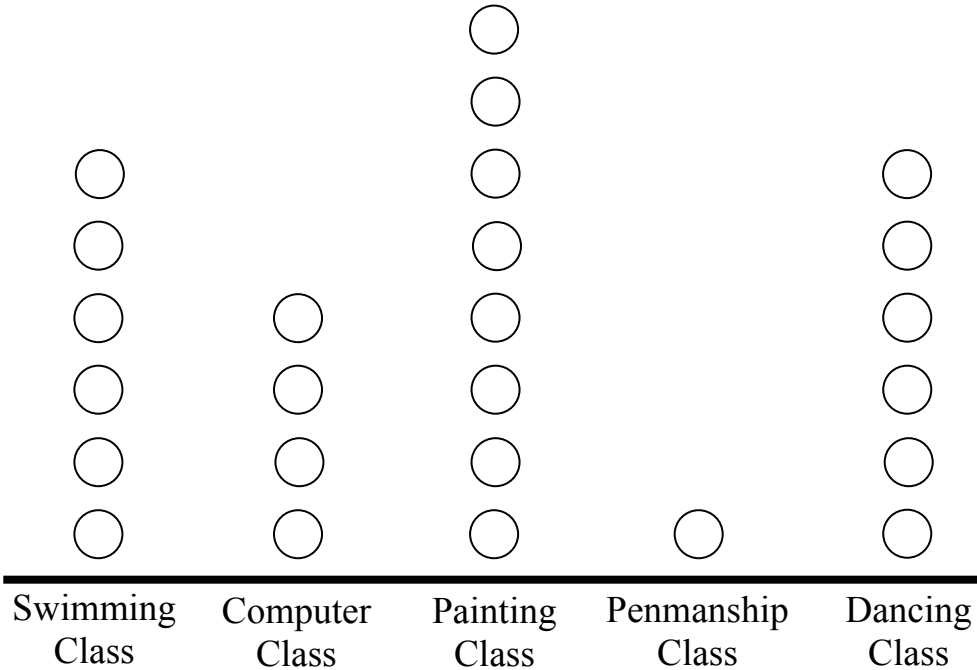
(b) Arrange the three angles r, t and u from the largest to the smallest.

Answer: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(Largest) (Smallest)

37. A teacher did a survey on the favourite interest class for P.3E pupils. Each pupil chose one interest class only.

**Favourite Interest Class for P.3E Pupils**

Each ○ stands for 1 pupil



(a) \_\_\_\_\_ pupils of P.3E took part in the survey.

(b) Only one pupil of P.3E chose the \_\_\_\_\_ Class.

(c) The school will only hold interest classes for six or more pupils. Will the school hold the Computer Class for P.3E according to the data of the pictogram? Why?

Answer: The school \* will / will not (\*circle the answer) hold the Computer Class for P.3E because \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_.

38. A teacher did a survey on the favourite mathematics activities of P.3A pupils.

(a) According to the record, complete the table below.

Activity	Games	Speed Calculation	Stories of Mathematicians	Mathematics Trail	Problem Solving
Record					
Number of pupils	9				

(b) According to the result, complete the following pictogram and give it a title.

(Title)

Each ○ stands for 1 pupil

Games	○	○	○	○	○	○	○	○	
Speed Calculation									
Stories of Mathematicians									
Mathematics Trail									
Problem Solving									

— END OF PAPER —

