* 3 M E 3 *

3	M	E	3

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Education Bureau
Territory-wide System Assessment 2010
Primary 3
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 35 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 space provided.

School Code 學校編號				Class 班別	3		Class No. 班號		

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

1. In which of the following numbers is the digit '0' in the hundreds place?

- ○ A. 901
- ○ B. 12 073
- ○ C. 85 130
- ○ D. 90 321

2.

Maths Bank 30 JUNE 2010

PAY : Happy Travel Company

HK DOLLARS : **$18000**

Write in words the amount shown on the above cheque.

Answer : _____ dollars

3.

2	1	0	3	0

Use the five number cards above to form the smallest 5-digit number.

Answer: | | | | | |

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4. $912 + 207 = _____ + 912$

5. $218 - (120 - 82) =$

○ A. 16
○ B. 38
○ C. 176
○ D. 180

6. $586 \times 6 =$ _____

7. $5 \times 56 \times 2 =$ _____

8. $984 \div 6 =$ _____

9. $753 - (523 + 127) =$ _____

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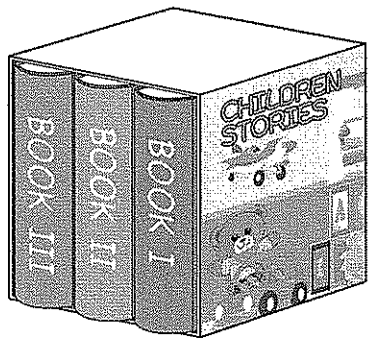
10.



The price of one set of storybooks is 84 dollars and 60 cents.

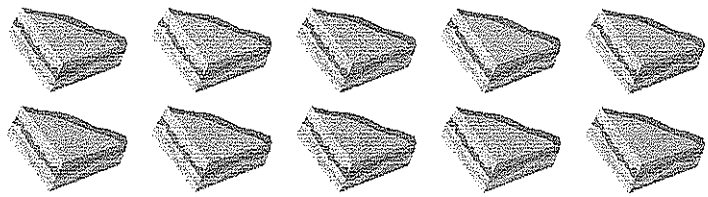
(a) Two sets of storybooks cost

_____ dollars and _____ cents.

(b) There are three booklets in a set of storybooks. On average, the price of one booklet is

_____ dollars and _____ cents.

11.



Mother makes 10 sandwiches.

(a) There are 5 egg sandwiches. What fraction of the whole are egg sandwiches?

Answer: The fraction is ☐ .

(b) $\frac{2}{5}$ of ***the rest*** are ham sandwiches.

There are _____ ham sandwiches.

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12. Which of the following is correct?

○ A. $\frac{5}{5} = 1$

○ B. $\frac{1}{5} = 1$

○ C. $\frac{5}{5} = 5$

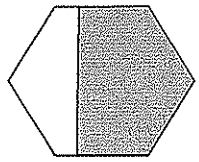
○ D. $\frac{1}{5} = 5$

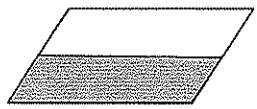
13. $\frac{3}{11}$ of the whole class of pupils joined the basketball team, $\frac{5}{11}$ joined the football team and $\frac{2}{11}$ joined the volleyball team. Most pupils of the class joined the *basketball / football / volleyball team.

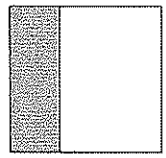
(*Circle the answer)

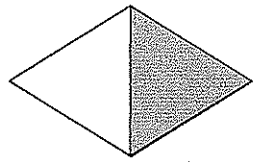
14. A pupil can make 15 paper flowers each day. In 5 days, 7 pupils can make _____ paper flowers at most.

15. Which of the following has less than $\frac{1}{2}$ of the whole diagram shaded?

○ A. 

○ B. 

○ C. 

○ D. 

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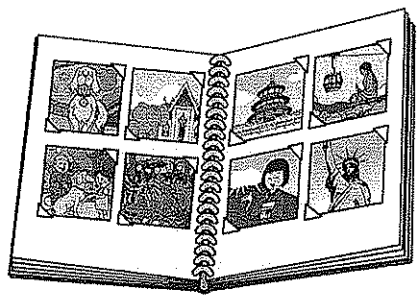
16. Michael has $800. He spends $125 on books and $85 on toys. Michael has $_____ left.

17. 

Each page of a photo album can hold 4 photographs. Jenny puts 134 photographs into the album. At least how many pages have photographs?

Answer: At least _____ pages have photographs.

18. There are 46 pupils in the sports team. The number of pupils in the choir is 3 times that in the sports team. There are _____ pupils in the choir.

19. The weight of each bag of rice is 8 kg. The weight of each bag of flour is 5 kg. The total weight of six bags of rice and one bag of flour is _____ kg.

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Please do not write in the margin.

20. The price of each adult ticket for a concert is $260. A child ticket is $25 cheaper than an adult ticket. Mother buys one adult ticket and one child ticket. How much does she pay altogether?
(Show your working)

21. A grocery has eight cartons of grapes. The weight of each carton of grapes is 10 kg. Three cartons of grapes are sold in the morning and 5 kg of grapes are sold in the afternoon. What is the total weight of grapes sold?
(Show your working)

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22. Use a ruler to measure the length of the ribbon below.

The length of the ribbon is _____ mm. Its length differs from a ribbon of 12 cm by _____ mm.

23. Write down the suitable measuring unit in each of the following.

(a) The tallest building in Hong Kong is Two International Finance Centre, which is about 416 _____ tall.

(b) The Tate's Cairn Tunnel is about 4 _____ long.

(c) An umbrella weighs about 480 _____.

(d) An air conditioner weighs about 30 _____.

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24. (a) 1

can be exchanged for

_____

.

(b) 1

can be exchanged for _____

.

(c) 10

can be exchanged for

_____

.

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25. Use the September calendar below to answer the following questions.

September						
Sun	Mon	Tue	Wed	Thu	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	29	30		

(a) Today is the fourth Wednesday of September.
Tomorrow is the _____ of _____.
(month)

(b) Mr Wong went to China on the last Sunday of August.
The date was the _____ of _____.
(month)

(c) This year is a common year. There are _____ days in the whole year.

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Please do not write in the margin.

Go on to the next page

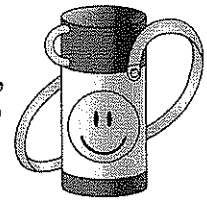
26. The timetable of the airport express is shown below:

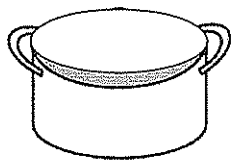
From City to Airport	First train	Last train
Hong Kong Station	05:50	00:48
Kowloon Station	05:53	00:52
Tsing Yi Station	06:00	00:59

(a) The last train departs from Tsing Yi Station at _____ minute(s) to _____ in the *morning / afternoon. (*Circle the answer)

(b) Mr Chan takes the first train from Kowloon Station to the airport. He arrives at the airport at 06:14. The whole journey takes him _____ minutes.

27. To measure the capacity of a pupil's water bottle, which of the following tools is the most suitable?





○ A. Pot

○ B. Cup

○ C. Syringe

○ D. Spoon

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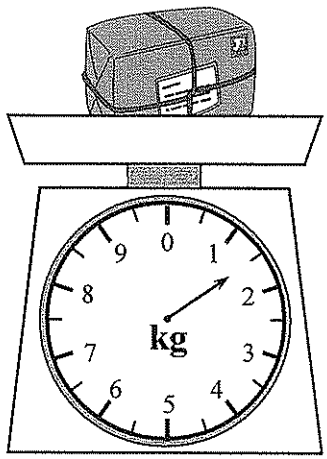
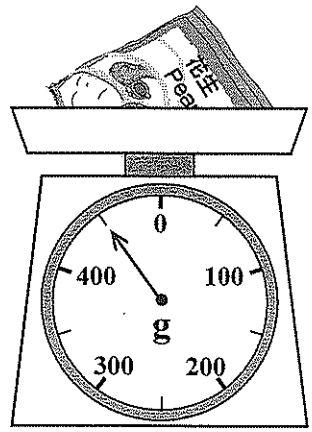
28.

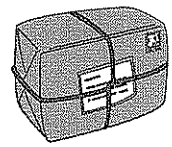




(a)

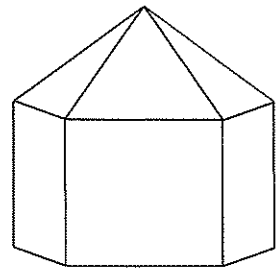
weighs _____ g.

(b)

is *lighter / heavier than 

by _____ g. (*Circle the answer)

29. The figure on the right is made up of two types of 3-D shapes. What are they?



Answer: _____ and _____.

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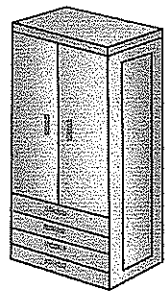
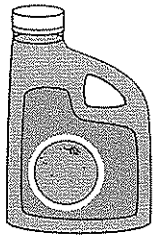
30. Follow the instructions. Write down the letter(s) for the answers.

A

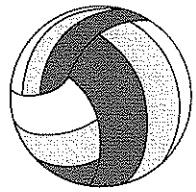


B

C

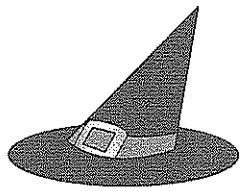


D

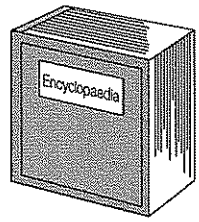


E

F



G



H

List:

(a) Prism(s): _____

(b) Cylinder(s): _____

(c) Sphere(s): _____

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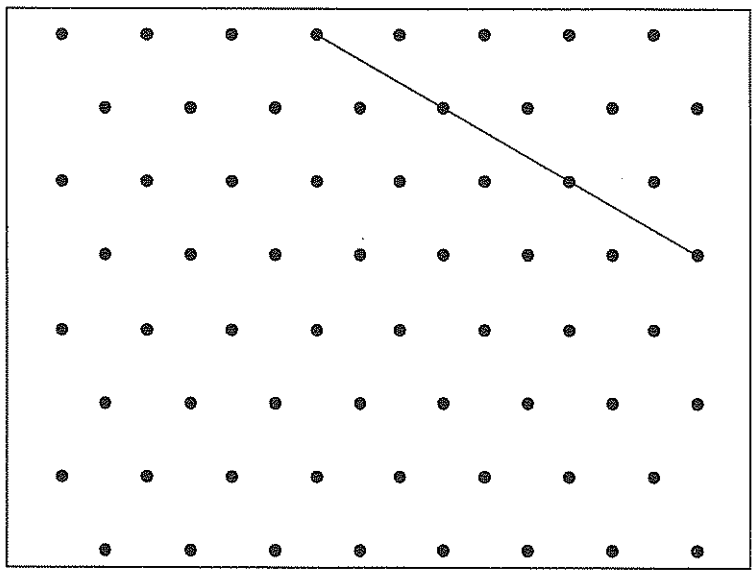
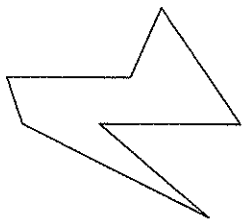
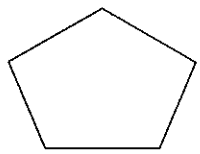
31. Mr Li uses a rubber band to make an equilateral triangle on the pin-board. One of its sides is shown below. Draw the other two sides of the equilateral triangle.



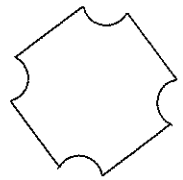
32. Follow the instructions. Write down the letter(s) for the answers.



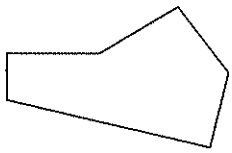
A



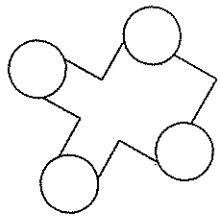
B



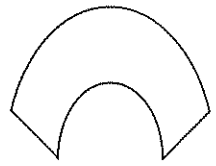
C



D



E



F

List:

(a) Figure(s) having parallel lines: _____

(b) Figure(s) having right angle(s): _____

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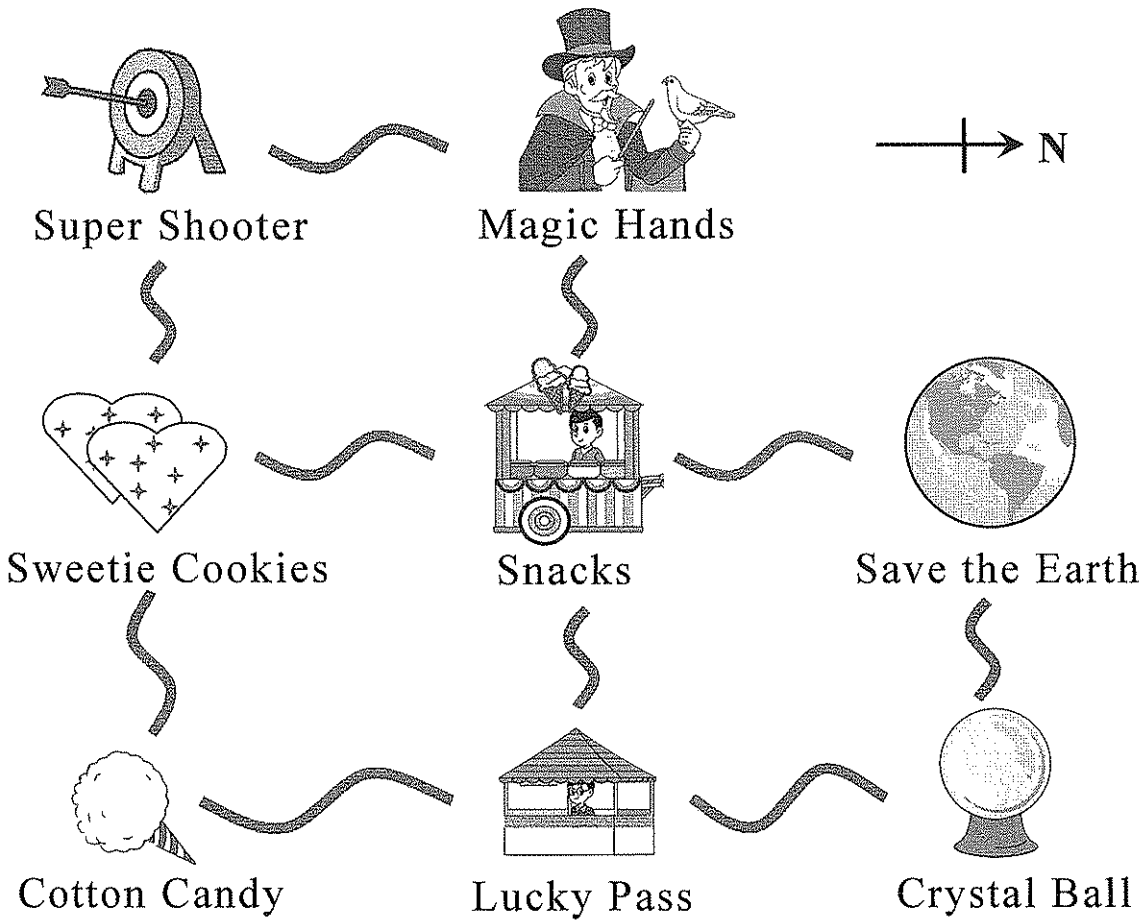
33. The map below shows the location of booths in a school carnival.



(a) 'Crystal Ball' is to the _____ of
(direction)
'Cotton Candy'.

(b) 'Sweetie Cookies' is to the east of '_____'.

(c) Maggie is going from 'Magic Hands' to 'Save the Earth'. She first goes _____, passes
(direction)
'_____', and then goes _____
(direction)
to reach 'Save the Earth'.

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34. The teachers voted for the champion of the inter-class board design competition.

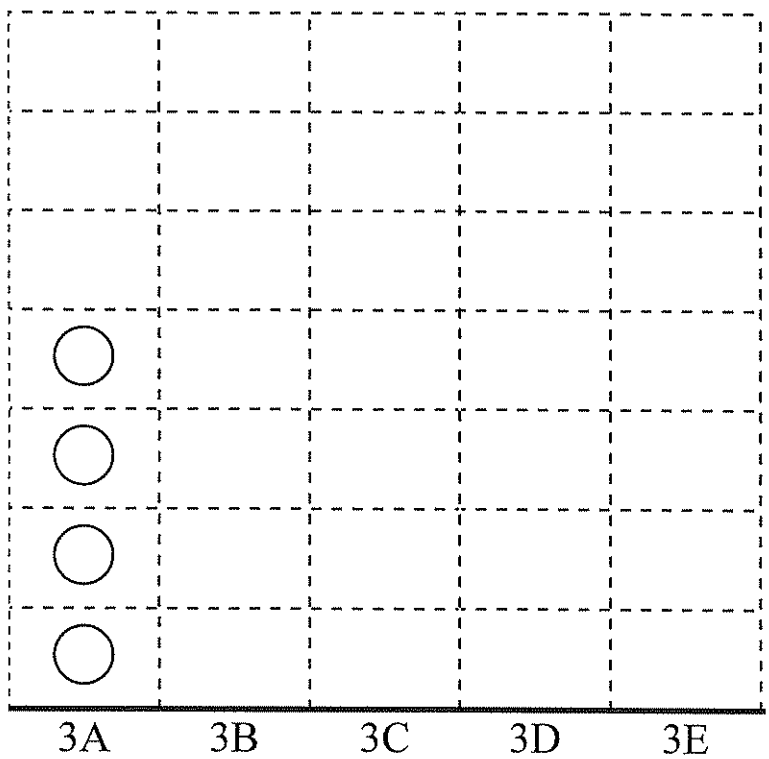
(a) Complete the table below according to the voting record.

Class	3A	3B	3C	3D	3E
Voting record	𝍸	𝍸	|	𝍸	𝍸 |
Number of votes	4				

(b) Complete the pictogram below according to the voting result of the inter-class board design competition and give it a title.

(Title)

Each ◯ stands for 1 vote



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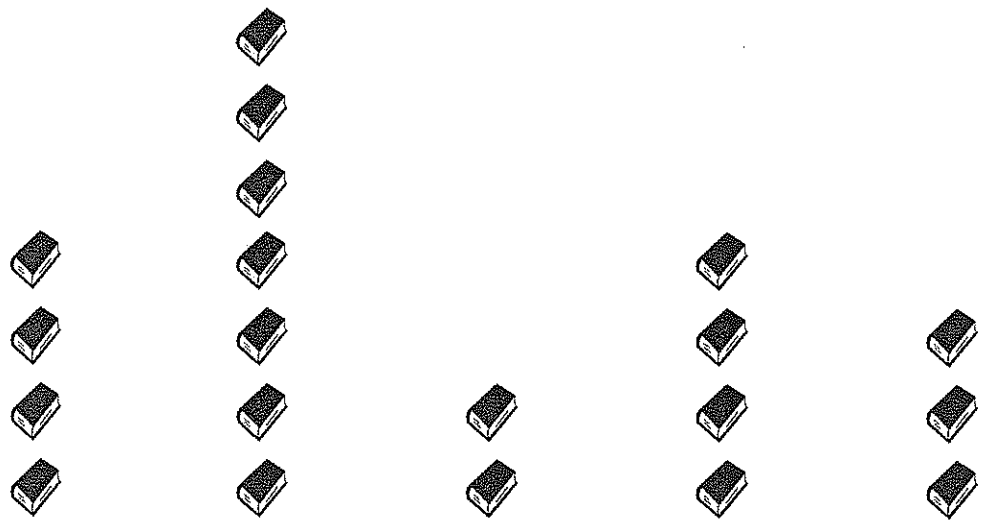
35. The following pictogram shows the number of different books borrowed by pupils of Class 3A last week.

Number of different books borrowed by pupils of Class 3A

Each stands for 1 book



Story Mathematics English Cartoon Science

(a) The number of _____ books borrowed was the least.

(b) The number of _____ books and the number of _____ books borrowed were the same.

(c) According to the data shown in the pictogram above, which kind of books should be bought for Class 3A? Why?

Answer: More _____ books should be bought for Class 3A because _____ _____.

— END OF PAPER —

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2010-TSA-MATH-3ME3-20