Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

BOOKLET A

PRIMARY FOUR

Name: _____( ) Class: Primary 4 __

Date: 7 May 2008 Duration of paper: 1 h 45 min

THIS BOOKLET CONTAINS 5 PAGES.
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FOLLOW ALL INSTRUCTIONS CAREFULLY.

## SECTION A - Multiple Choice Questions (20 MARKS)

Questions 1 to 10 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

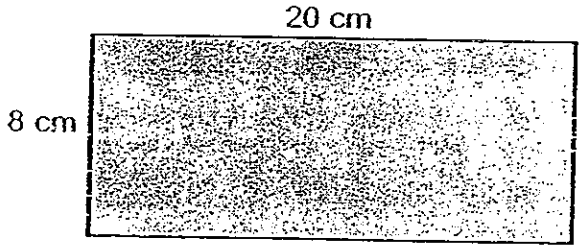
1. What is the maximum number of ways can you arrange using the digits: 2, 4 and 8 to form 3 digit number(s)?

   (1) 1
   (2) 2
   (3) 3
   (4) 6

2. Find the product of 7 tens and 70 ones.

   (1) 140
   (2) 490
   (3) 4900
   (4) 7070

3. What is the perimeter of the figure below?




   (1) 12 cm
   (2) 28 cm
   (3) 56 cm
   (4) 160 cm

4. A square garden has a perimeter of 36 m. What is its area?

   (1) 6 $m^2$
   (2) 16 $m^2$
   (3) 36 $m^2$
   (4) 81 $m^2$

5. $2 + \frac{1}{5}$ is the same as _____

(1) $\frac{21}{5}$

(2) $3 - \frac{4}{5}$

(3) $\frac{1}{5} + \frac{1}{5}$

(4) $1 - 1 + \frac{1}{5}$

6. The table below shows the starting and ending time of 4 activities on one Friday.

| | Activity A | Activity B | Activity C | Activity D |
|---|---|---|---|---|
| Starting Time | 12.55 p.m. | 12.00 p.m. | 10.10 a.m. | 9.55 a.m. |
| Ending Time | 1.25 p.m. | 1.05 p.m. | 11.00 a.m. | 10.10 a.m. |

Which activity last the longest?

(1) A
(2) B
(3) C
(4) D

7. $18 \times 5$ is the same as _____.

(1) $20 \times 5$
(2) $1 \times 8 \times 5$
(3) $2 \times 5 \times 9$
(4) $10 \times 8 \times 5$

8. What is $\frac{3}{8} + \frac{3}{8} + \frac{3}{8} + \frac{3}{8}$?

(1) $4\frac{3}{8}$

(2) $1\frac{1}{3}$

(3) $\frac{12}{32}$

(4) $1\frac{1}{2}$

9. The table below shows the time taken for an object to travel from one point to another point without resting.

| Points | Time taken (hr) |
|---|---|
| A to B | $\frac{2}{3}$ |
| B to C | $\frac{5}{6}$ |
| C to D | $\frac{1}{12}$ |

What is the total time taken by the object to move from point A to D?

(1) $1\frac{7}{12}$ hr

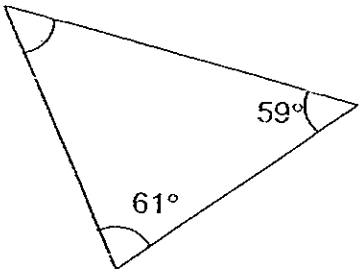
(2) $\frac{17}{12}$ hr

(3) $\frac{8}{12}$ hr

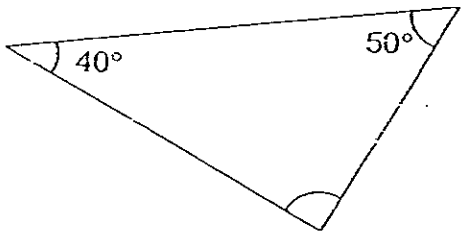
(4) $\frac{8}{21}$ hr

10. Which one of the triangles below is isosceles?
Figures are not drawn to scale.

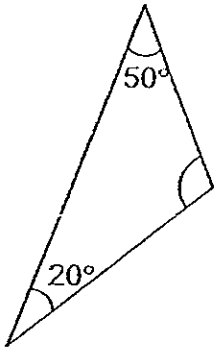
(1)



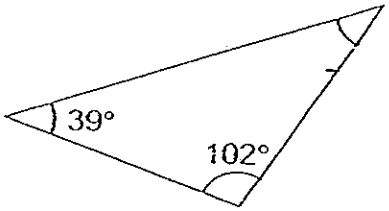

(2)




(3)




(4)



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

BOOKLET B

PRIMARY FOUR

Name: _____( ) Class: Primary 4____

Date: 7 May 2008 Duration of paper: 1 h 45 min

_____

Parent's/Guardian's signature

| Section | Maximum Marks | Marks Obtained |
|---|---|---|
| A. Multiple Choice Questions | 20 | |
| B. Short Answers | 40 | |
| C. Problem Sums | 40 | |
| Total Marks | 100 | |
| Parent's/Guardian's signature | | |

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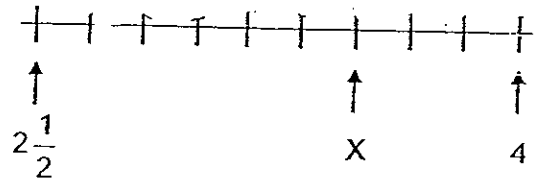
SECTION B - Short Answers (40 MARKS)

Questions 11 to 30 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

11. Find the remainder when 5702 is divided by 6.

Answer: _____

12. What is the value of X on the number line?




Answer: _____

13. What is the smallest odd number that can be divided by 5 leaving a remainder 3?

Answer: _____

The table below shows the number of pupils taking different types of transport home after a swimming lesson. Use the information to answer questions 14 and 15.

| Pupils | Boys | Girls |
|---|---|---|
| Takes school bus | 14 | 12 |
| Takes public transport | 10 | 16 |

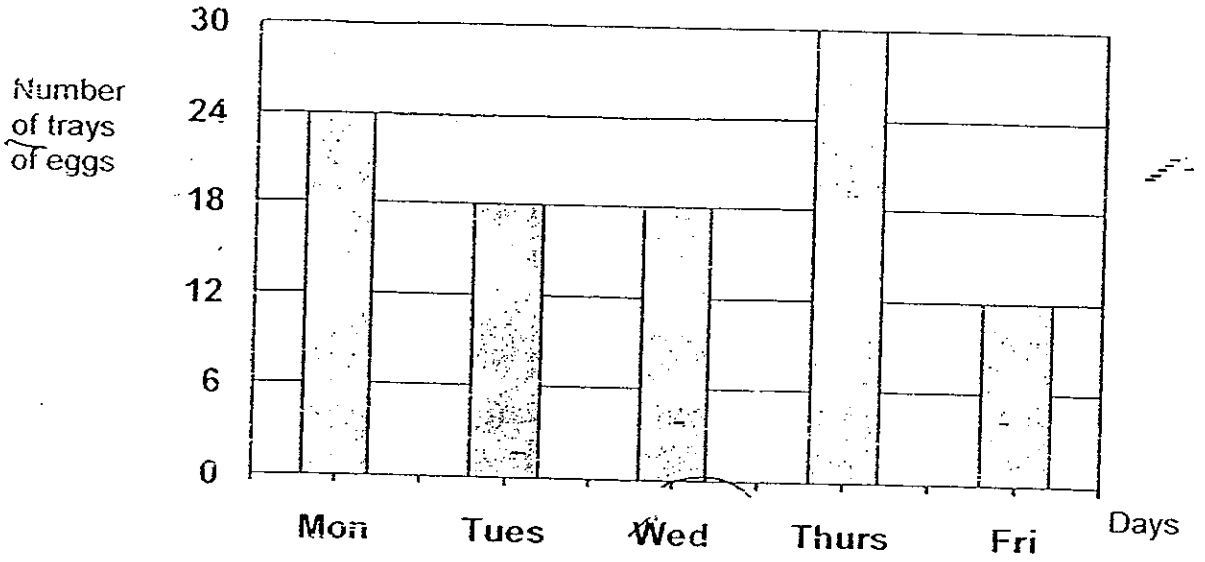
14. How many pupils are there altogether?

Answer: _____

15. What fraction of the pupils takes school bus?

Answer: _____

The bar graph shows the number of trays of eggs sold on 5 days. Use the information to answer question 16 and 17.




16. What was the total number of trays of eggs sold on the 5 days?

Answer: _____

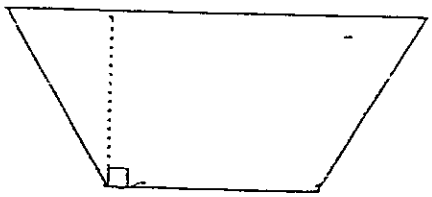
17. If each tray contained 6 eggs, how many eggs were sold on Wednesday?

Answer: _____

18. How many right angles are formed by the minute hand on a clock if it moves for 1 h 30 min?

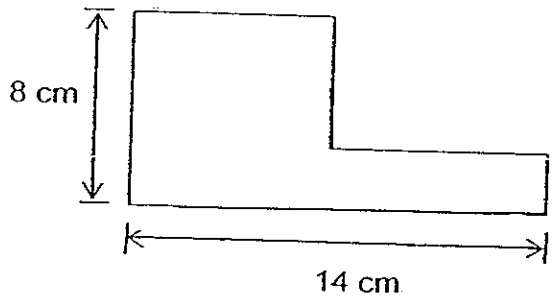
Answer: _____

19. How many pair(s) of parallel lines is / are there in the figure below?



Answer: _____

20. What is the perimeter of the figure below?




Answer: _____ cm

21. What is the product of the largest factor of 7 and the largest factor of 2008?

Answer: _____

22. There are 56 apples in a basket. $\frac{1}{4}$ of them are green and the rest are red. How many red apples are there?

Answer: _____

23. James is twice as old as Ben. Ben is twice as old as Clara. If Clara is 11 years old, how old is James?

Answer: _____ years old

24. Ali bought 7 computers at $2108 each. How much did he spend altogether? Round off your answer to the nearest hundred.

Answer: $ _____

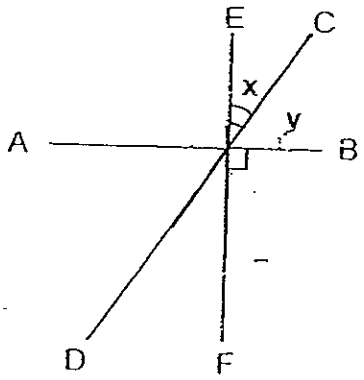
25. A number has 6 factors and is divisible by 9. It is also smaller than 30. What is the number?

Answer: _____

26. Mr Wong bought 6 television sets for a total cost of $5604. How much did each set cost?

Answer: $_____

27. The diagram below is made up of 3 straight lines AB, CD and EF crossing each other. Given that $\angle$ y is 65°, find $\angle$ x.




Answer: _____°

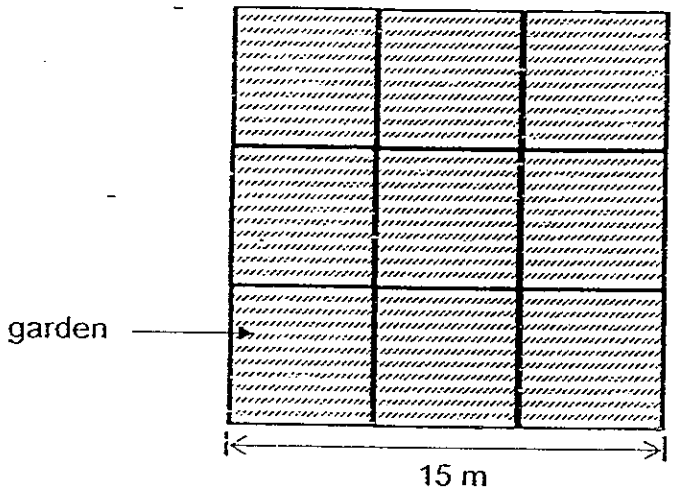
28. What is 409 × 27?

Answer: _____

29. Express 40 cm as a fraction of 2 m.

Answer:_____

30. The diagram below shows a square plot of land containing 9 square gardens.




What is the area of each square garden?

Answer:_____ $m^2$

## SECTION C - Problem Sums (40 MARKS)

For each question from 31 to 40, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

31. Yanming bought 1 magazine, 1 book and 1 pen. The magazine cost $5. The book cost $31 more than the magazine. The pen cost twice as much as the book. How much did she spend on the three things?

Answer: _____ [4]

32. Jeremy has 206 stickers and Kelly has 78 stickers. How many stickers must Jeremy give to Kelly so that they have the same number of stickers?

Answer: _____ [4]

33. The total mass of 3 packets of peanuts and 3 packets of muesli is 825 g. If a packet of peanuts is 25 g less than a packet of muesli, what is the mass of 1 packet of peanuts?

Answer: _____ [4]

34. Yedev has a 2-litre container full of water. He poured $1\frac{1}{4}$ litres out and divided the remaining amount of water equally into 6 smaller containers.

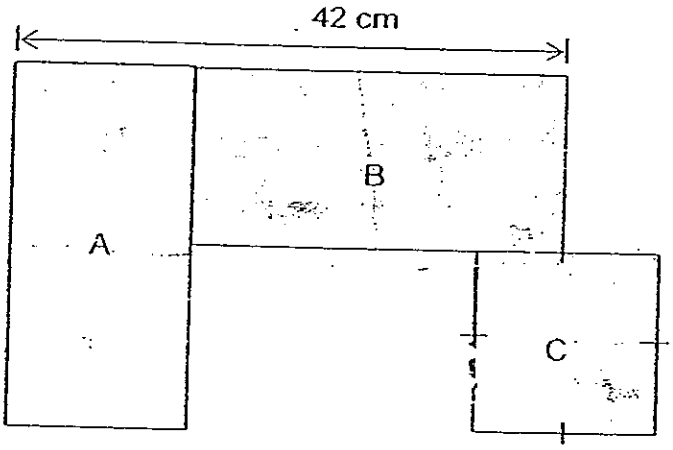
How much water is in each of the smaller containers?

Answer: _____ [4]

35. Casey had 5 times as many cards as Eddy. After Casey has given 56 cards to Eddy, both of them have equal number of cards. How many cards do both of them have altogether?

Answer: _____ [3]

36. Study the composite figure below. Rectangles A and B are of the same size. Each rectangle can fit 2 of square C exactly.




Find the area of the composite figure.

Answer: _____ [4]

37. Jamal took $\frac{1}{3}$ of a day to carve a sculpture. Gavin took $\frac{3}{4}$ of the time taken by Jamal. How much faster did Gavin take than Jamal to carve the sculpture? (Take 1 day = 24 hr)

Answer: _____ [4]

38. An equal number of boys and girls took part in a competition. In the first round, $\frac{3}{4}$ of the girls and $\frac{2}{3}$ of the boys were eliminated. If 6 girls remained in the competition, how many boys were eliminated?

Answer: _____ [4]

39. A basket when filled with 12 boxes weighs $2\frac{3}{5}$ kg. If each box weighs $\frac{1}{6}$ kg, what is the mass of the basket?

Answer:_____[4]

40. Study the pattern below and answer the questions that follow.

| Row | Number of stick(s) |
|---|---|
| 1 | \| |
| 2 | \| \| |
| 3 | \| \| \| |
| 4 | \| \| \| \| |
| 5 | \| \| \| |
| 6 | \| \| |
| 7 | \| |
| 8 | \| \| |
| 9 | \| \| \| |
| 10 | \| \| \| \| \| \| |
| 11 | \| \| \| |
| 12 | \| \| |
| 13 | \| |
| 14 | \| \| |
| 15 | \| \| \| |
| 16 | \| \| \| \| \| \| \| \| |
| 17 | \| \| \| |
| 18 | \| \| |
| 19 | \| |
| 20 | ? |

(a) How many sticks are there in row 20 only?

Answer: _____ [1]

(b) How many sticks are there in row 50 only?

Answer: _____ [2]

(c) If there are 4 sticks in row 4, 6 sticks in row 10 and 8 sticks in row 16, how many sticks are there in row 34 only?
You may use the table below to help you.

| Row | 4 | 10 | 16 | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number of sticks | 4 | 6 | | | | | | |

Answer: _____ [2]

- End of Paper –

Setter: Mr Wan

Vetters: P4 Math teachers

# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : A C S PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 3 | 3 | 4 | 2 | 2 | 3 | 4 | 1 | 4 | 2 | 3 ½ | 13 | 52 | ½ |

16)102 17)108 eggs 18)6 right angles 19)1 20)44cm

21)14056 22)42 red apples 23)44 years old 24)$14800

25)18 26)$934 27)25 28)11043 29)1/5

30)25$m^2$

31)31+5=36
36x2=72
36+72=108
108+5=113
She spent $113 on the three things.

32)206-78=128
128÷2=64
Jeremy must give Kelly 64 stickers.

33)25x3=75
825-75=750
750÷6=125
The mass of 1 packet of peanuts is 125g.

34)2-1 ¼ = ¾
¾ x1000=$\frac{3000}{4}$
=750
750÷6=125
125ml(or 1/8L)of water is in each of the smaller containers.

35)56÷2=28
28x6=168
They have 168 cards altogether.

36)42÷3=14
Area A →14x14=196
Area B →14x14=196
Area C →14x14=196
Area D →14x14=196
Area E →14x14=196
Total area →196x5=980
The area is 980$cm_2$

37)Jamal→ 1/3 x24=$\frac{24}{3}$ =8
Gavin→ ¾ x8=$\frac{24}{4}$=6
8-6=2
Gavin took 2 hours less.

38)1 - ¾ = ¼
6x4=24
24÷3=8
8x2=16
16 boys were eliminated.

39) 1 x12=12 =2
6 6
2 3/5-2=3/5
The mass of the basket is 3/5kg

40)a)2 sticks
b)2 stick
c)Row=4,10,16,22,28,34
No. of=4,6,8,10,12,14
Ans:14