



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2012  
MATHEMATICS  
BOOKLET A  
PRIMARY FOUR

Name: \_\_\_\_\_ (     )                      Class: Primary 4 \_\_\_\_\_

Date: 9 May 2012

Duration of Booklet A & B: 1h 45min

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 8 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.



**SECTION A - Multiple Choice Questions (30 MARKS)**

Questions 1 to 15 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. In which of the following numbers does the digit 6 stands for 600?

- (1) 1690
- (2) 9160
- (3) 3156
- (4) 6135

2. 46 thousands and 90 hundreds is the same as \_\_\_\_\_.

- (1) 4690
- (2) 5500
- (3) 46 900
- (4) 55 000

3. Ninety three thousand and fifty-seven in figures is \_\_\_\_\_.

- (1) 93 570
- (2) 93 507
- (3) 93 057
- (4) 9357

4. Find the value of  $(2 \times 100) + (8 \times 10\,000) + (9 \times 1\,000) + (5 \times 10)$ .

(1) 89 250

(2) 89 205

(3) 82 950

(4) 28 950

5. How many quarters are there in 3 wholes?

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

(2)  $3\frac{1}{4}$

(3) 6

(4) 12

6. \_\_\_\_\_ is 1 999 less than 31 001.

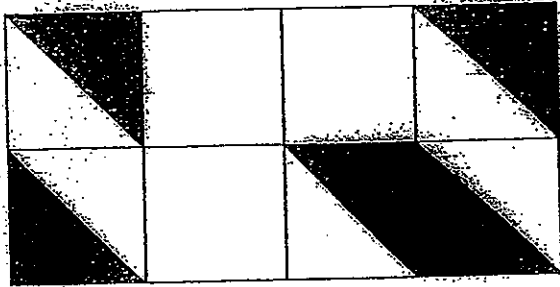
(1) 29 002

(2) 29 112

(3) 30 998

(4) 33 000

7. The figure below is made up of 8 unit squares. What fraction of the figure is shaded?



- (1)  $\frac{5}{16}$
- (2)  $\frac{4}{8}$
- (3)  $\frac{5}{8}$
- (4)  $\frac{11}{16}$
8. Which of the following pairs of fractions are equivalent to  $\frac{2}{3}$ ?

(1)  $\frac{4}{6}, \frac{6}{12}$

(2)  $\frac{4}{6}, \frac{8}{9}$

(3)  $\frac{8}{9}, \frac{8}{12}$

(4)  $\frac{4}{6}, \frac{8}{12}$

9. Which of the following numbers are arranged in descending order?

(1) 2 345, 2 435, 2 354

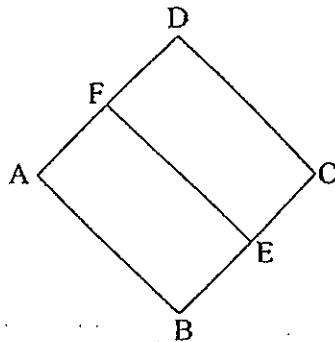
(2) 2 435, 2 354, 2 345

(3) 2 354, 2 345, 2 435

(4) 2 435, 2 345, 2 354

10. This figure is made of two rectangles.

AB is perpendicular to \_\_\_\_\_.



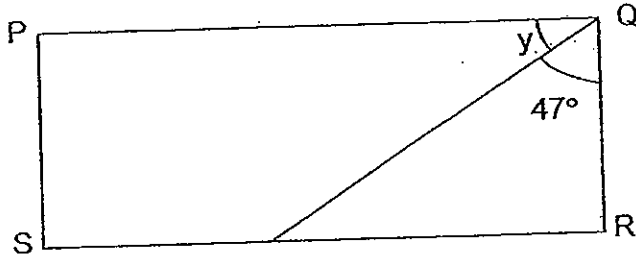
(1) AD and DC

(2) EF and DC

(3) AD and BC

(4) EF and BC

11. The figure below is not drawn to scale. PQRS is a rectangle. Find the value of  $\angle y$ .



- (1)  $43^\circ$   
(2)  $47^\circ$   
(3)  $53^\circ$   
(4)  $133^\circ$
12. Round off 15 051 to the nearest hundred.

- (1) 15 000  
(2) 15 050  
(3) 15 100  
(4) 15 200

13. Find the value of  $\frac{5}{8} + \frac{1}{4}$ .

(1)  $\frac{6}{12}$

(2)  $\frac{6}{8}$

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

(4)  $\frac{7}{8}$

14. The area of a square is  $64 \text{ cm}^2$ . Find its perimeter.

(1) 8 cm

(2) 16 cm

(3) 32 cm

(4) 40 cm



15.



Figure A

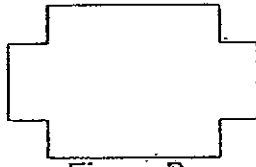


Figure B

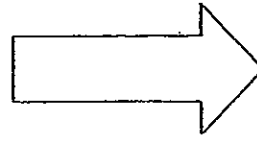


Figure C

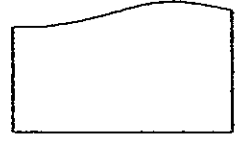


Figure D

Which of the above figures has the most number of right angles?

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

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MID-YEAR EXAMINATION 2012  
MATHEMATICS  
BOOKLET B  
PRIMARY FOUR

Name: \_\_\_\_\_ ( )

Class: Primary 4 \_\_\_\_\_

Date: 9 May 2012

Duration of Booklet A & B: 1h 45min

\_\_\_\_\_  
Parent's/Guardian's signature

**INSTRUCTIONS TO CANDIDATES**

This booklet has a total of 15 printed pages.  
Do not turn the pages until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

MARKS		
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

1940  
1941  
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**SECTION B - Short Answers (40 MARKS)**

Questions 16 to 35 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.

16. Write twelve thousand and sixty-four in figures.

Ans: \_\_\_\_\_

17. Fill in the blank with the missing number in the number pattern below.

1 467, 1 480, 1 493, \_\_\_\_\_, 1 519

Ans: \_\_\_\_\_

18. Two factors of 36 are 1 and 36. What are the other seven factors of 36?

Ans: \_\_\_\_\_

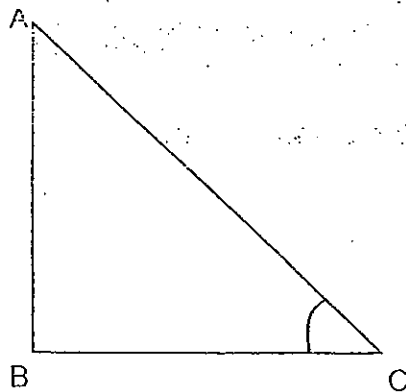
19. John had 6m of rope. He cuts it into pieces of  $\frac{2}{3}$  m each. What is the number of pieces he can cut from the rope.

Ans: \_\_\_\_\_

20. Write  $\frac{18}{4}$  as a mixed number in its simplest form.

Ans: \_\_\_\_\_

21. ABC is a triangle. Measure and write down the size of  $\angle ACB$



Ans: \_\_\_\_\_°

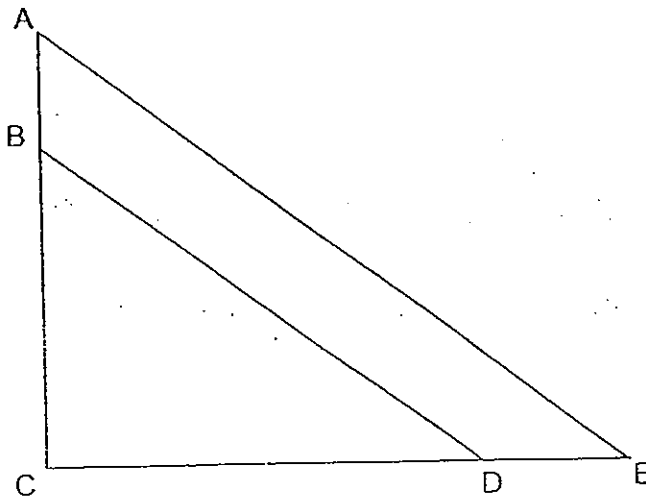
22.  $\frac{4}{9}$  of a number is 60. What is the number?

Ans: \_\_\_\_\_

23. What is  $\frac{1}{6}$  of 114?

Ans: \_\_\_\_\_

24. In the given figure, which line is parallel to AE?



Ans: \_\_\_\_\_

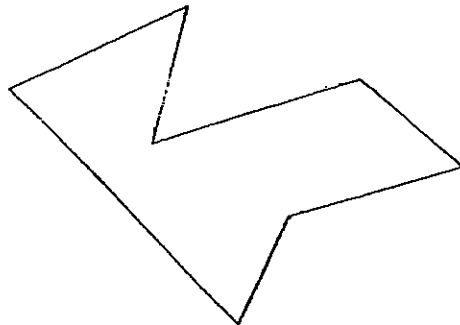
25. Alyssa had \$230 and during a sale she paid \$74 for 3 books and 5 bags. She bought another 10 bags and a few books with all the remaining money. If each book cost \$8 how many books did she buy in all?

Ans: \_\_\_\_\_

26. 1 kg of durians cost \$ 20 . How much does  $4\frac{2}{5}$  kg of durians cost?

Ans: \_\_\_\_\_

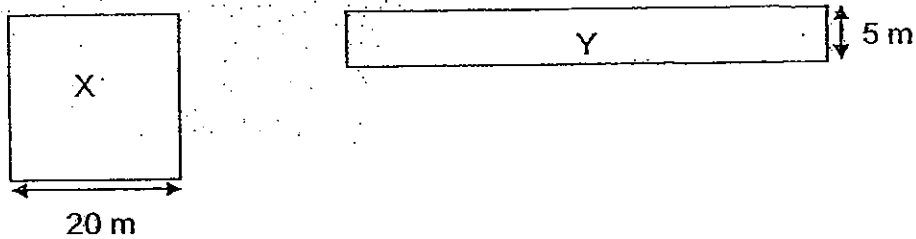
27. How many angles are greater than a right angle in the figure below?



Ans: \_\_\_\_\_



28. Square X and Rectangle Y have the same area. Find the perimeter of the Rectangle Y.



Ans: \_\_\_\_\_ m

29. Peter is thrice as old as May. May is twice as old as Shawn. If Shawn is 11 years old, how old is Peter?

Ans: \_\_\_\_\_

30. A number has 3 factors and is divisible by 5. The number is also smaller than 30. What is the number?

Ans: \_\_\_\_\_

31. Jill has 130 stamps. Seán has 140 stamps. How many stamps must Sean give to Jill so that Jill has twice as many stamps as Seán?

Ans: \_\_\_\_\_

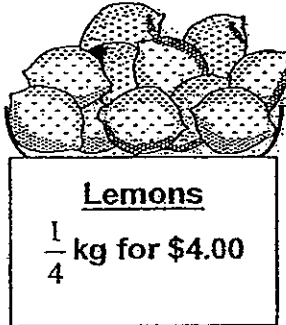
32. Mr Tay sold  $\frac{3}{5}$  of his apples. If he had 350 apples left, how many apples did he have in the beginning?

Ans: \_\_\_\_\_

33. Ray has 17 coins. There are 8 ten-cent coins and the rest are twenty-cent coins and fifty-cent coins. The total value of the coins is \$4.40. How many fifty-cent coins are there?

Ans: \_\_\_\_\_

34. How much does 2 kg of lemon cost?



Ans: \$ \_\_\_\_\_

35. A carton containing 12 similar cans weighs 6 300g. The same carton and 5 of the cans weigh 2 800g. Find the mass of the carton.

Ans: \_\_\_\_\_

**SECTION C - Problem Sums (30 MARKS)**

For each question from 36 to 43, 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 [ ].

36. Mike and Jake had 320 stamps. After Mike had given 106 stamps to Jake, Jake had 3 times as many stamps as Mike. How many stamps did Mike have at first?

Ans: \_\_\_\_\_ [3]

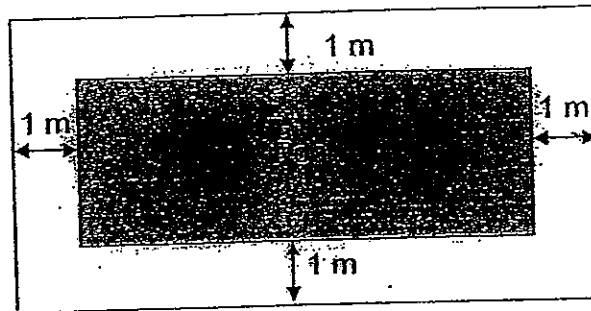
37. Mr Ting had 600 mangoes. He sold  $\frac{1}{2}$  of the mangoes and threw away  $\frac{1}{12}$  of the ~~the~~ remainder as they were rotten. He then packed the rest of the mangoes equally into 5 boxes. How many mangoes were there in each box?

Ans: \_\_\_\_\_ [3]

38. Peter measured the length of 3 ropes, A, B and C. Rope A and Rope B measured 159 cm. Rope A and Rope C measured 113 cm. Rope B and Rope C measured 144 cm. What is the length of Rope C?

Ans: \_\_\_\_\_ [4]

39. Mr Pang had a rectangular pool with an area of  $48 \text{ m}^2$ . The length of the pool was thrice the breadth of the pool. He decided to build a pebble pathway with a width of 1 m around the pool. What would be the area of the pebble path?



Ans : \_\_\_\_\_ [4]

40. Jane had 300 pens and pencils. After she gave away  $\frac{3}{5}$  of the pencils and 20 pens, she had an equal number of pencils and pens left. How many pens did she have at first?

Ans: \_\_\_\_\_ [4]



41. At a party, there were an equal number of men and women. After some time, 70 men left the party and 50 women joined the party. At the end, there were 4 times as many women as men. How many men were at the party at first?

Ans: \_\_\_\_\_ [4]

42. The total cost of a bag and 5 storybooks is \$120. The bag costs thrice as much as a storybook. Find the cost of the bag.

Ans : \_\_\_\_\_ [4]

43. May and Joanne had a total of \$1200. After May gave \$240 to Joanne, May had only half as much money as Joanne. How much money did May have at first?

Ans : \_\_\_\_\_ [4]

# ANSWER SHEET

## EXAM PAPER 2012

SCHOOL : ACS  
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
1	4	3	1	4	1	1	4	2	3	1	3	4	3	2

16)12064      17)1506      18)2,3,4,6,9,12,18      19)9      20)4½

21)43°      22)90      23)19      24)BD      25)10

26)\$88      27)3      28)170m      29)66      30)25

31)140 + 130 = 270  
270 ÷ 2 = 135  
140 - 135 = 5

32)2/5 → 350  
1/5 → 350 ÷ 2 = 175  
5/5 → 175 × 5 = 875

33)6

34)\$32

35)6300 - 2800 = 3500  
3500 ÷ 7 = 500  
500 × 5 = 2500  
2800 - 2500 = 300

$$\begin{aligned} 36) 4u &\rightarrow 320 \\ 1u &\rightarrow 320 \div 4 = 80 \\ 80 + 106 &= 186 \text{ stamps} \end{aligned}$$

$$\begin{aligned} 37) 600 \div 5 &= 300 \\ 300 \div 12 &= 25 \\ 12/12 - 1/12 &= 11/12 \\ 25 \times 11 &= 275 \\ 275 \div 5 &= 55 \end{aligned}$$

$$\begin{aligned} 38) A+B &\rightarrow 159 \\ A+C &\rightarrow 113 \\ B+C &\rightarrow 144 \\ 159 + 113 + 144 &= 416 \\ 416 \div 2 &= 208 \\ A+B+C &= 208 \\ 208 - 159 &= 49 \text{cm} \end{aligned}$$

$$\begin{aligned} 39) 12 \times 4 &= 48 \\ 12 + 2 &= 14 \\ 4 + 2 &= 6 \\ 14 \times 6 &= 84 \\ 84 - 48 &= 36 \end{aligned}$$

$$\begin{aligned} 40) 300 - 20 &= 280 \\ 7u &\rightarrow 280 \\ 1u &\rightarrow 280 \div 7 = 40 \\ 40 \times 2 + 20 &= 100 \end{aligned}$$

$$\begin{aligned} 41) 70 + 50 &= 120 \\ 3u &\rightarrow 120 \\ 1u &\rightarrow 40 \\ 70 + 40 &= 110 \end{aligned}$$

$$\begin{aligned} 42) 3 + 5 &= 8 \\ 8u &\rightarrow \$120 \\ 1u &\rightarrow \$120 \div 8 = \$15 \\ \$15 \times 3 &= \$45 \end{aligned}$$

$$\begin{aligned} 43) 3u &\rightarrow \$1200 \\ 1u &\rightarrow 1200 \div 3 = 400 \\ 400 + 240 &= 640 \end{aligned}$$