



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

BOOKLET A (Paper 1)

PRIMARY FIVE

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

Class: Primary 5

Date: 6 May 2008

Duration of paper 1 Booklet A and B: 50 min

THIS BOOKLET CONTAINS 7 PAGES.

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Questions 1 to 10 carry 1 mark each. Question 11 to 15 carry 2 marks each.  
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the  
Optical Answer Sheet (OAS). (20 marks)

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1. The digit '5' in 3 257 641 is in the \_\_\_\_\_ place.

- 1) hundreds
- 2) thousands
- 3) ten thousands
- 4) hundred thousands

2. Which of the following numbers when rounded off to the nearest thousand is 555 000?

- 1) 554 494
- 2) 555 494
- 3) 555 501
- 4) 555 513

3.  $45 \times 100 =$  \_\_\_\_\_

- 1)  $45 \times 20 \times 5$
- 2)  $40 + 5 \times 100$
- 3)  $45 \times 10 + 90$
- 4)  $(45 \times 20) + (45 \times 5)$

4. Express  $5\frac{7}{10}$  hours in minutes.

1) 300 minutes

2) 307 minutes

3) 312 minutes

4) 320 minutes

5. Francis spent  $\frac{2}{3}$  of his money on a pair of shoes and  $\frac{1}{4}$  of the remaining money on comics. What fraction of his money had he left?

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

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

3)  $\frac{1}{12}$

4)  $\frac{5}{12}$

6. Find the value of  $750 \div (37 + 113) \div 2$ .

1) 300

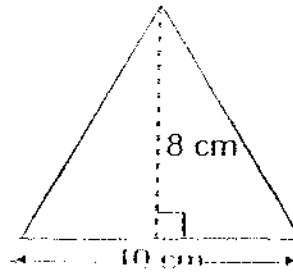
2) 413

3) 675

4) 769

7. Find the area of the figure. (Figure not drawn to scale)

- 1)  $40 \text{ cm}^2$
- 2)  $50 \text{ cm}^2$
- 3)  $80 \text{ cm}^2$
- 4)  $100 \text{ cm}^2$



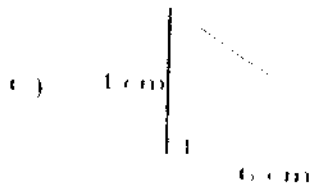
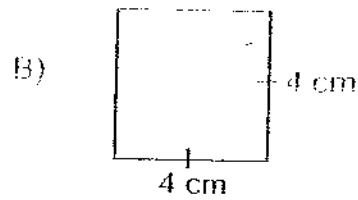
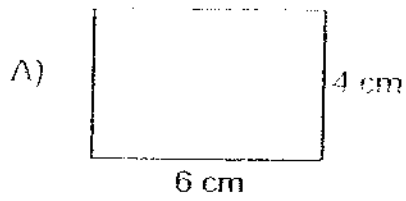
8. Mr. Goh bought a radio and a television set for \$670. The television set cost 4 times as much as the radio. How much did he pay for the television set?

- 1) \$124
- 2) \$155
- 3) \$465
- 4) \$496

9. Find the volume of a cube of side 5 cm.

- 1)  $5 \text{ cm}^3$
- 2)  $15 \text{ cm}^3$
- 3)  $25 \text{ cm}^3$
- 4)  $125 \text{ cm}^3$

10. Which of the following figures have the same area?



- 1) A and C
- 2) C and D
- 3) A, B and D
- 4) A, C and D

11. What is the maximum number of cubes of side 2-cm that can be filled into a rectangular box measuring 9 cm by 6 cm by 4 cm?

- 1) 9
- 2) 24
- 3) 54
- 4) 108

12. The chairs in an auditorium were arranged in rows. Each row had the same number of chairs. John sat on one of the chairs. There were 6 chairs on his left and 8 chairs on his right. There were 10 rows in front of him and 11 rows behind him. How many chairs were there in the auditorium?

- 1) 294
- 2) 308
- 3) 315
- 4) 330

13. The perimeter of a rectangle is 40 cm. If the ratio of its breadth to its length is 1 : 4, what is its area?

- 1) 48 cm<sup>2</sup>
- 2) 64 cm<sup>2</sup>
- 3) 100 cm<sup>2</sup>
- 4) 256 cm<sup>2</sup>

14. There were 6 boys who took part in a charity run. The total distance was  $2\frac{1}{4}$  km. Each boy ran an equal share of the total distance. What was the distance run by each boy?

- 1)  $\frac{1}{3}$  km
- 2)  $\frac{1}{6}$  km
- 3)  $\frac{3}{8}$  km
- 4)  $\frac{3}{4}$  km

15 In a class,  $\frac{3}{4}$  of the pupils are boys and  $\frac{5}{6}$  of the boys wear spectacles.

If  $\frac{1}{2}$  of the girls wear spectacles, what fraction of the pupils wear spectacles?

- 1)  $\frac{1}{3}$
- 2)  $\frac{5}{12}$
- 3)  $\frac{3}{4}$
- 4)  $\frac{11}{12}$



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

BOOKLET B (Paper 1)

PRIMARY FIVE

Name: \_\_\_\_\_ ( ) Class: Primary 5 \_\_\_\_\_

Date: 6 May 2008

Duration of paper 1 Booklet A and B: 50 min

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

Section	Maximum Marks	Marks Obtained
Paper 1 Booklet A. Multiple Choice Questions	20	
Paper 1 Booklet B. Shorts answers: Part 1	10	
Paper 1 Booklet B. Shorts answers: Part 2	10	
Total	40	

THIS BOOKLET CONTAINS 6 PAGES.  
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Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided (10 marks)

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16. Susan has savings of \$45 485 in her bank account. Express this amount to the nearest thousand.

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

17. Find the remainder when 3 445 is divided by 11

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

18. Anson and Elaine shared \$132 in the ratio of 2 : 9. Find the amount of money Anson has.

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

19. Write four hundred and seven thousand, three hundred and ninety-two in figures.

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

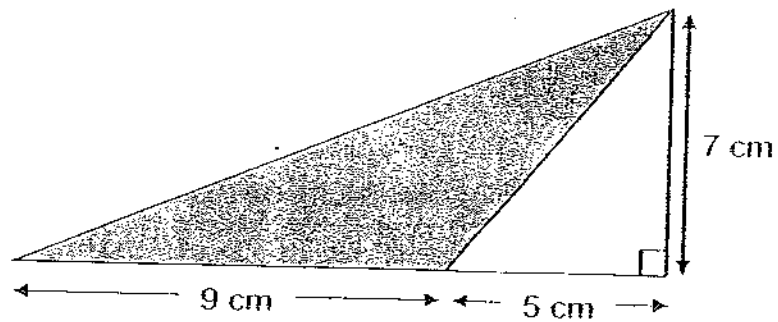
20. Find the difference between  $6\frac{1}{4}$  and  $4\frac{2}{3}$

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

21. Shawn's age is  $\frac{3}{5}$  of his uncle's age now. Find the ratio of his uncle's age to their total age.

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

22. Find the area of the shaded figure. (Figure not drawn to scale)



Answer : \_\_\_\_\_  $\text{cm}^2$

23. Express  $1\frac{1}{25}$  ml in cubic centimetres.

Answer : \_\_\_\_\_ cm<sup>3</sup>

24. Find the value of  $\frac{3}{5} \div 6$

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

25. Find the value of  $12 \times 8 - (3 + 66 \div 3)$ .

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

Questions 26 to 30 carry 2 marks each. Show all mathematical statements clearly in the space below each question and write your answers in the spaces provided.

(10 marks)

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26. Steven was at work for  $\frac{1}{3}$  of the day. He spent  $\frac{6}{11}$  of his time at work delivering goods. What fraction of the whole day did Steven spend delivering goods?

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

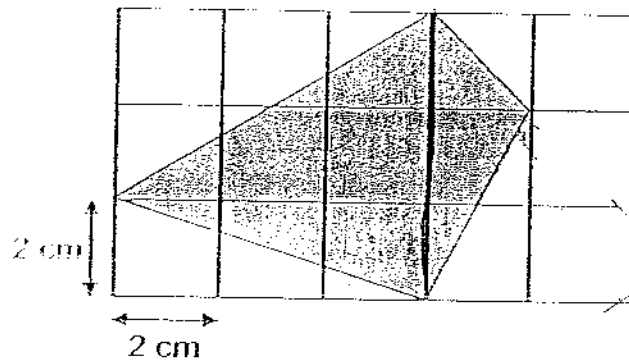
27. Desmond arranged 10 640 cans of sardines equally on 35 shelves in a supermarket. How many cans of sardines were there on each shelf?

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

28. Benny wants to purchase a second-hand car at \$38 800. He has to pay \$10 000 as downpayment. The remaining amount will be paid in monthly instalments for 3 years. How much did Benny need to pay for his monthly instalment?

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

Find the area of the shaded area.



Answer : \_\_\_\_\_  $\text{cm}^2$

30. Find the area of a rectangle with sides  $\frac{3}{8}$  m and  $\frac{4}{5}$  m.

Answer : \_\_\_\_\_  $\text{m}^2$

**End of Paper 1**

Setters: Mr Lim Yong Ming, Ms Yvonne Teo

Velled by Primary Five teachers



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

PAPER 2

PRIMARY FIVE

Name: \_\_\_\_\_ ( ) Class: Primary 5\_ \_

Date: 6 May 2008

Duration of paper : 1 h 40 min

Parent's/Guardian's signature

Section	Maximum Marks	Marks Obtained
Paper 2 Booklet B. Short answer Part 2	10	
Paper 2 Booklet C. Problem Sums	50	
Total	60	

THIS BOOKLET CONTAINS 13 PAGES.  
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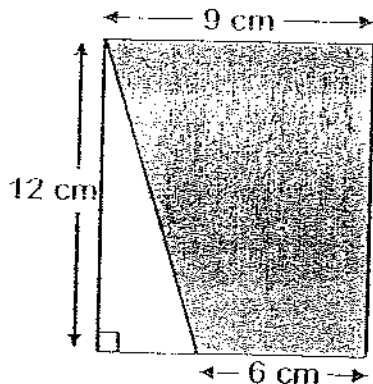
Questions 1 to 5 carry 2 marks each. Show your mathematical statements clearly in the space provided for each question and write your answers in the spaces provided (10 marks)

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1. The volume of a rectangle tank is  $588\text{cm}^3$ . Find the height of the tank if the base area is  $49\text{cm}^2$ .

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

2. Find the area of the shaded figure. (Figure not drawn to scale)



Answer : \_\_\_\_\_  $\text{cm}^2$

3. Jack bought four 2.3 l packets of lime juice. If each cup measures 200 ml, how many cups does he need to pour all the juice into?

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

4. A number when divided by 76 gives a quotient of 205 and a remainder of 13. What is the value of the number?

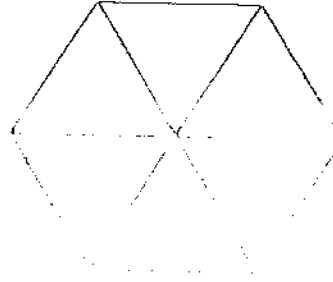
Answer: \_\_\_\_\_

5. In Primary 2A, there are 30 pupils. If all the pupils are grouped into teams of 3 girls and 2 boys, how many boys are there in the class?

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



8. The figure as shown below is made up of 6 identical triangles. If the area of the figure is  $126 \text{ cm}^2$  and its perimeter is 36 cm, find the height of each triangle (Figure not drawn to scale)



Answer : \_\_\_\_\_ [3]

9. In 2008, Madam Goh is 65 years old and her nephew is 36 years old. How many years ago was Madam Goh's age twice the age of her nephew?

Answer : \_\_\_\_\_ [3]

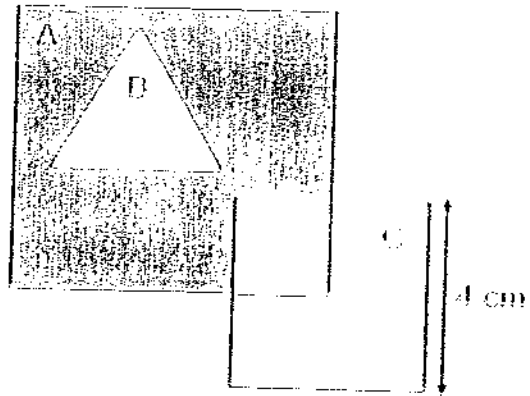
10. Uncle Lim has a plot of rectangular land measuring 60 m by 36 m. He planted a mango seed at each of the four corners of the land and planted the rest of the mango seeds at an equal distance of 6 m around the perimeter of land. How many mango seeds did he plant in all?

Answer : \_\_\_\_\_ [3]  
[1]

11. Sharifah and Ainah collected some pink and green ribbons. Sharifah had a total of 102 ribbons. The ratio of the number of pink ribbons to the number of green ribbons Sharifah had collected was 3 : 5. The ratio of the number of pink ribbons to the number of green ribbons Ainah had collected was 1 : 2. If Sharifah had collected 4 times as many ribbons as Ainah, find the ratio of the number of pink ribbons Sharifah had to the number of green ribbons Ainah had.

Answer : \_\_\_\_\_ [4]

12. In the figure below, the ratio of the area of Triangle B to the area of Square C is 3 : 4. The ratio of the length of Square C to the length of Square A is 2 : 3. If  $\frac{1}{4}$  of the area of Square C overlaps Square A, find the shaded area.



Answer : \_\_\_\_\_ [4]

13. The table below shows the parking charges of KK Building.

8.00 a.m. to 6.00 p.m.	\$ 2.50 per hour
6.00 p.m. to 12 midnight	\$ 2.00 per hour
12 midnight to 8 a.m.	\$ 4 for overnight parking

- a) Mr Bala parked his car at KK Building from 10 a.m. to 7 p.m.  
How much does he have to pay for his parking charges?
- b) Madam Hafina parked her car at KK Building from 7 p.m. to 9  
a.m. How much does she have to pay for her parking charges?

Answer : (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

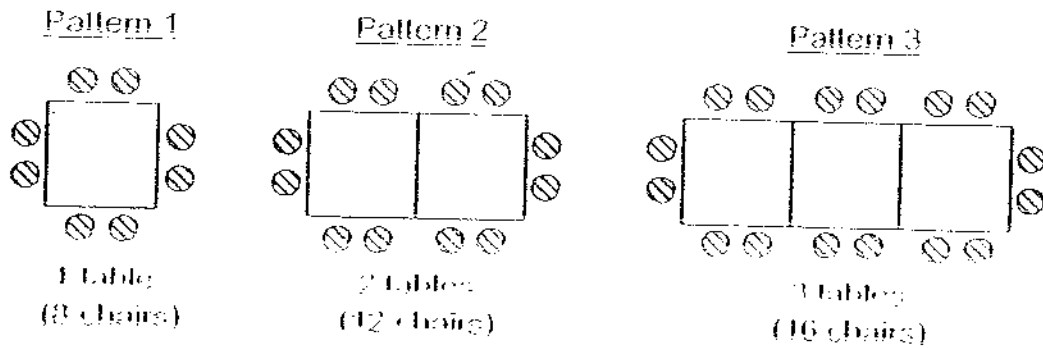
14. A box of marbles was shared equally among a class of 42 pupils. 14 of them gave all their marbles to the rest of the pupils. As a result, the rest of the pupils received 11 more marbles each. How many marbles were there in the box at first?

Answer: \_\_\_\_\_ [4]

15. Alex, Eugene and Terence shared a total of 102 stamps in the ratio of 4 : 7 : 6. After Eugene and Terence gave a total of 10 stamps to Alex, the three boys had an equal number of stamps. How many stamps did Eugene give to Alex?

Answer : \_\_\_\_\_ [4]

16. The tables and chairs at a ballroom are arranged as shown below



Study the table below carefully and answer the following questions.

Number of tables	1	2	3	4	5
Number of chairs	8	12	16		

- a) Complete the table above [1]
- b) How many chairs will there be in Pattern 11? [2]
- c) Which pattern will have 192 chairs? [2]

Answer: b) \_\_\_\_\_ [2]

c) \_\_\_\_\_ [2]

17. Four girls, Alice, Bibi, Carol and Delia, each have some stickers. The number of stickers Alice has is  $\frac{1}{2}$  of the total number of stickers Bibi, Carol and Delia have. The number of stickers Bibi has is  $\frac{1}{4}$  of the total number of stickers Alice, Carol and Delia have. The number of stickers Carol has is  $\frac{2}{3}$  of the total number of stickers Alice, Bibi and Delia have. If Delia has 30 stickers, find the total number of stickers Bibi and Carol have altogether.

Answer : \_\_\_\_\_ [5]

18. Water flows out from Tap A at a rate of 12l per minute and Tap B at 4l per minute. Tap A was turned on for  $1\frac{1}{2}$  minutes to fill an empty tank, measuring 90 cm by 40 cm by 15 cm. After  $1\frac{1}{2}$  minutes, both taps were turned on at the same time to fill the tank to its brim. How many minutes were needed to fill the tank completely?

Answer : \_\_\_\_\_ [5]

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End of Paper

Settlers: Mr Lim Yong Ming, Ms Yvonne Teo

# ANSWER SHEET

**EXAM PAPER 2008**

SCHOOL : ACE PRIMARY SCHOOL  
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : CA 1

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

16)\$45000

17)10

18)\$24

19)407392

20) $17/12$

21)8:11

22) $31\frac{1}{2}$

23)1025

24) $1/10$

25)71

26) $2/11$

27)304

28)800

29)24

30) $3/10$

**Paper 2**

1)12

2)90

3)46

4)15593

5)12

6)4

7)150

8)7cm

9)7years old

10)32

11)9:14

12)20cm<sup>2</sup>

13)a)\$22 b)\$16.50

14)924

15)8

16)a)20,24 b)48 c)47

17)270

18) $3\frac{3}{4}$  min