



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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FOLLOW ALL INSTRUCTIONS CAREFULLY.

YOU ARE NOT ALLOWED TO USE A CALCULATOR

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)

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) 342 minutes

4) 370 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 $750 - (37 + 113) \div 2$.

1) 300

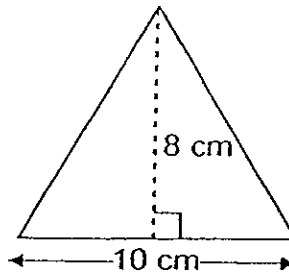
2) 413

3) 675

4) 769

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

- 1) 40 cm^2
- 2) 50 cm^2
- 3) 80 cm^2
- 4) 100 cm^2



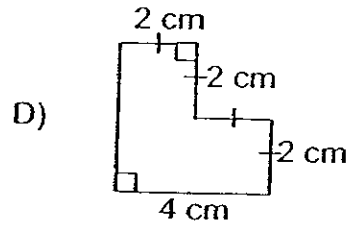
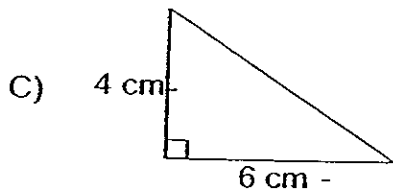
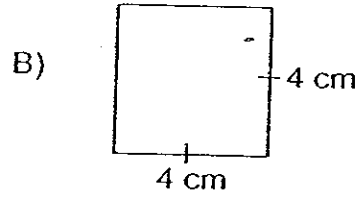
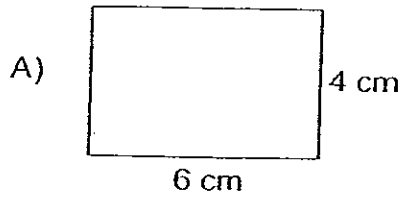
8. Mr Goh bought a radio and a television set for \$620. The television set cost 4 times as much as the radio. How much did he pay for the television set?

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

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

- 1) 5 cm^3
- 2) 15 cm^3
- 3) 25 cm^3
- 4) 125 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 fitted 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^2
 - 2) 64 cm^2
 - 3) 100 cm^2
 - 4) 256 cm^2
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) $\frac{1}{8}$ 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) $\frac{1}{8}$

2) $\frac{5}{8}$

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

4) $\frac{11}{12}$



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2008

MATHEMATICS

BOOKLET B (Paper1)

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)

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

Answer : \$ _____

17. Find the remainder when 3 145 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 : _____

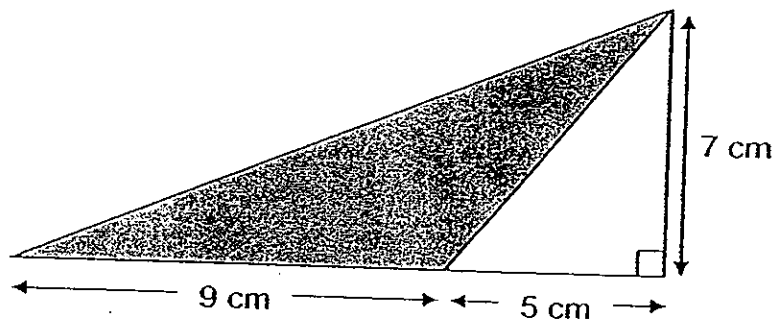
20. Find the difference between $6\frac{1}{4}$ and $4\frac{2}{3}$.

Answer : _____

21. Shawn's age is $\frac{3}{8}$ 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 : _____ cm^2

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

Answer : _____ cm³

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

Answer : _____

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)

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 : _____

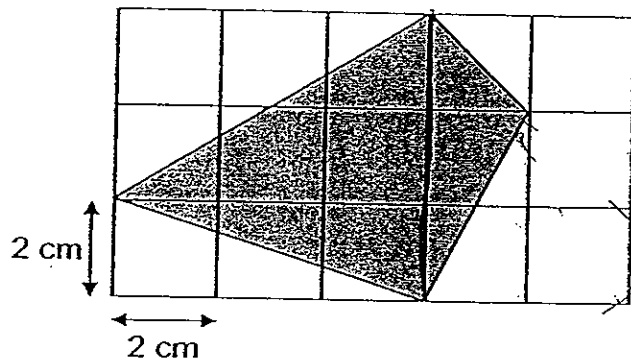
27. Desmond arranged 10 640 cans of sardines equally on 35 shelves in a supermarket. How many cans of sardines were there on each shelf?

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 : _____ cm²

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

Answer : _____ m²

End of Paper 1

Setters: Mr Lim Yong Ming, Ms Yvonne Teo

Vetted 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 | |

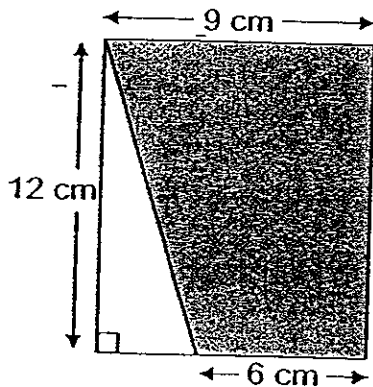
THIS BOOKLET CONTAINS 13 PAGES.
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Questions 1 to 5 carry 2 marks each. Show your mathematical statements clearly in the space provided for each question and write your answers in the spaces provided. (10 marks)

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

Answer : _____ cm

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



Answer : _____ 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: _____

For questions 6 to 18, show your steps clearly in the space provided for each question and write your answers in the spaces provided.

For questions which require units, give your answers in the units stated.

The number of marks available is shown in brackets [] at the end of each question or part-question.

(50 marks)

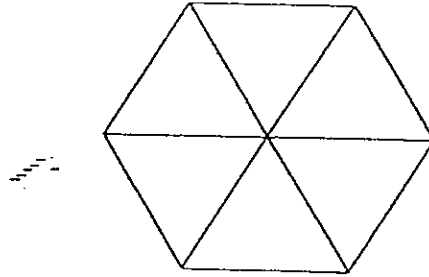
6. Mrs Tan bought 55 cartons of canned drinks to sell at a carnival. Each carton contained 12 canned drinks. She repacked the canned drinks into boxes of 8 for sale. How many canned drinks were not packed into boxes?

Answer : _____ [3]

7. Sally read $\frac{2}{5}$ of a magazine on Monday and $\frac{5}{6}$ of the remainder on Tuesday. She completed reading the remaining 15 pages on Wednesday. How many pages were there in the magazine?

Answer : _____ [3]

8. The figure as shown below is made up of 6 identical triangles. If the area of the figure is 126 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]

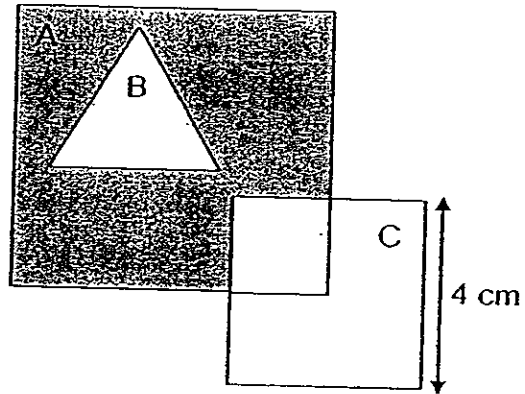
10. Uncle Lim has a plot of rectangular land measuring 60 m by 36 m. He planted a mango seed at each of the four corners of the land and planted the rest of the mango seeds at an equal distance of 6 m around the perimeter of land. How many mango seeds did he plant in all?

Answer : _____ [3]
M

11. Sharifah and Ainah collected some pink and green ribbons. Sharifah had a total of 192 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 Haslina 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]

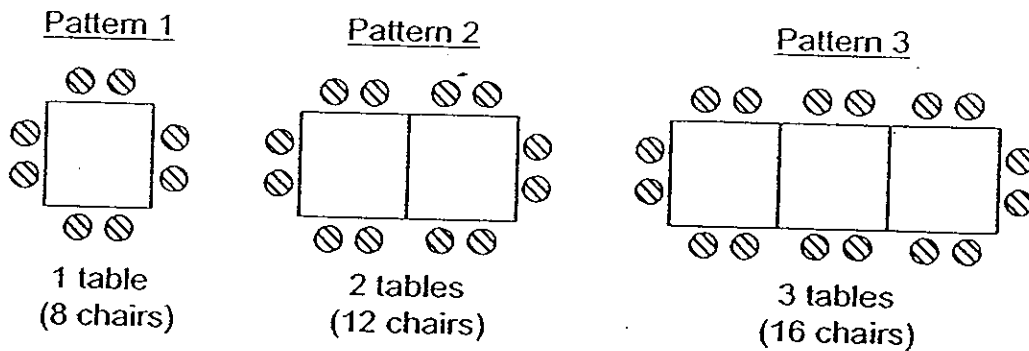
14. A box of marbles was shared equally among a class of 42 pupils. 14 of them gave all their marbles to the rest of the pupils. As a result, the rest of the pupils received 11 more marbles each. How many marbles were there in the box at first?

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?
- c) Which pattern will have 192 chairs?

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.

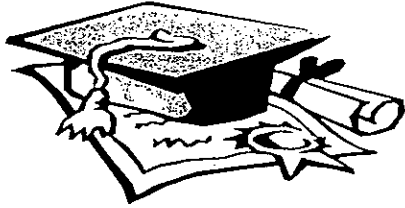
Answer : _____ [5]

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]

End of Paper

Setters: Mr Lim Yong Ming, Ms Yvonne Teo



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : ACS PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 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) 7 years old

10) 32

11) 9:14

12) 20cm^2

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