



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1 2008

Name : _____ () Class: P4__

6 MAY 2008 MATHEMATICS Att: 1 h 45 min

| | | |
|---|--------------|--------------|
| Your Score Out of 100 marks | | |
| | Class | Level |
| Highest score | | |
| Average score | | |
| Parent's Signature | | |

SECTION A (25 marks)

Question 1 to 5 carry 1-mark each. Question 6 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 your answer (1, 2, 3 or 4) on the OAS provided.

1. In 58 749, the digit in the thousands place is _____

- (1) 8
- (2) 7
- (3) 5
- (4) 4

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2. Round off 82 307 to the nearest hundred.

- (1) 80 000
- (2) 82 000
- (3) 82 300
- (4) 82 310

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3. There are 7 donuts in a box. How many donuts are there in 302 boxes?

- (1) 295
- (2) 309
- (3) 2114
- (4) 2174

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4. When a number is divided by 9, the answer is 864. What is this number?

- (1) 96
- (2) 855
- (3) 873
- (4) 7776

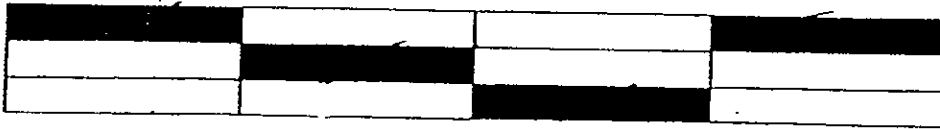
()

5. The sum of 4280 cm and 2365 cm is _____.

- (1) 6645 m
- (2) 6 m 45 cm
- (3) 66 m 45 cm
- (4) 664 m 5 cm

()

6.



What fraction of the above figure is shaded?

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

()

7. The table below shows the mass of three bags of rice.

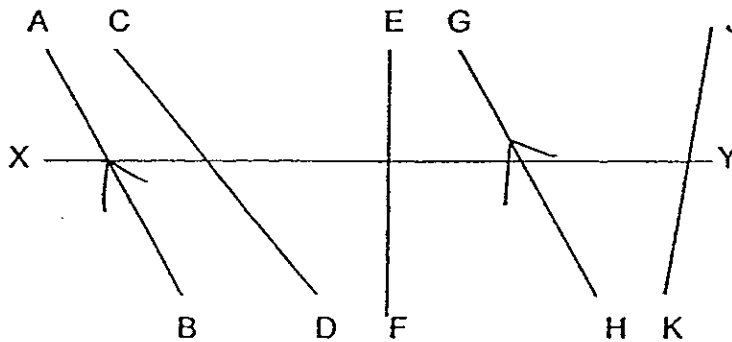
| Types of Rice | Mass |
|----------------|-----------|
| Brown Rice | 1350 g |
| Fragrant Rice | 4 kg 50 g |
| Glutinous Rice | 2 kg |

What is the total mass of the three bags of rice?

- (1) 1802 g
- (2) 5402 g
- (3) 7400 g
- (4) 7850 g

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8. In the diagram below, Line AB is parallel to Line _____



- (1) CD
- (2) EF
- (3) GH
- (4) JK

()

9. What is the missing number in the box?

$$3 \frac{3}{5} = \frac{\square}{5}$$

- (1) 6
- (2) 11
- (3) 14
- (4) 18

()

10. $\frac{4}{5} - \frac{1}{10} =$ _____

- (1) $\frac{3}{10}$
- (2) $\frac{5}{10}$
- (3) $\frac{7}{10}$
- (4) $\frac{9}{10}$

()

11. Subtract the sum of 2388 and 388 from the difference of 9400 and 94.

- (1) 3038
- (2) 6530
- (3) 6718
- (4) 7494

()

12. Find the sum of all the common factors of 18 and 27.

- (1) 9
- (2) 12
- (3) 13
- (4) 26

()

13. When a tray of tarts was packed into boxes of 4, there would always be 3 tarts left over. When the tarts were packed into boxes of 6, there would also be 3 tarts left over. What was the least number of tarts on the tray?

- (1) 13
- (2) 15
- (3) 24
- (4) 27

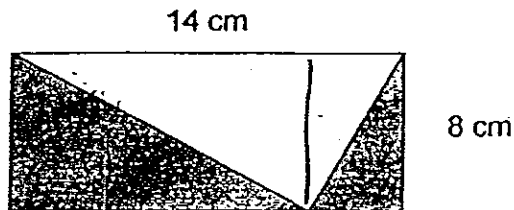
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14. Mohan has 7 times as many stickers as Kim Seng. If Mohan has 126 more stickers than Kim Seng, how many stickers do they have altogether?

- (1) 133
- (2) 147
- (3) 168
- (4) 259

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15. The rectangle below is not drawn to scale. Find the area of the two shaded triangles.



- (1) 22 cm^2
(2) 44 cm^2
(3) 56 cm^2
(4) 112 cm^2

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SECTION B (40 marks)

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

16. Find the difference in the value of eighteen 20-cent coins and eight two-dollar notes. Express your answer in cents

Ans: _____ cents

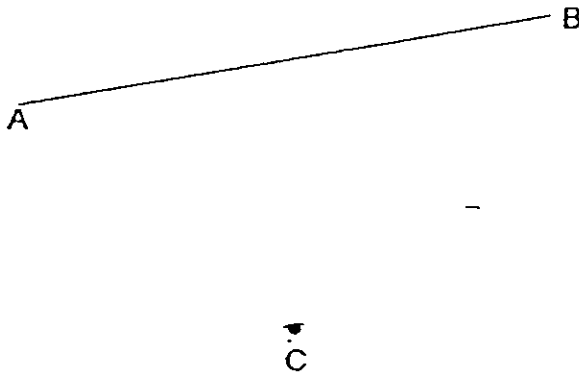
17. Tom saved \$980 every month. How much did he save altogether in 15 months?

Ans: \$ _____

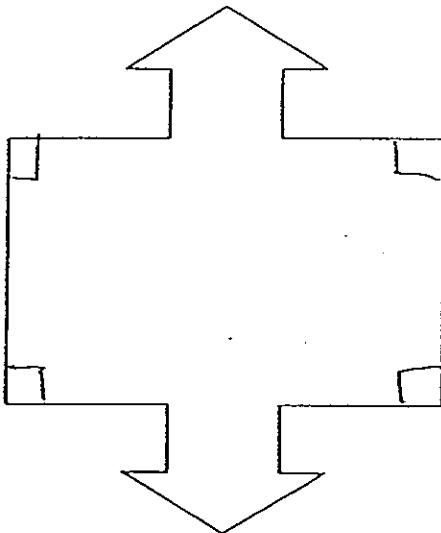
18. What is the perimeter of a square that has an area of 144 cm^2 ?

Ans: _____ cm

19. Using a ruler and a set-square, draw a line parallel to the given line, AB through the point C.



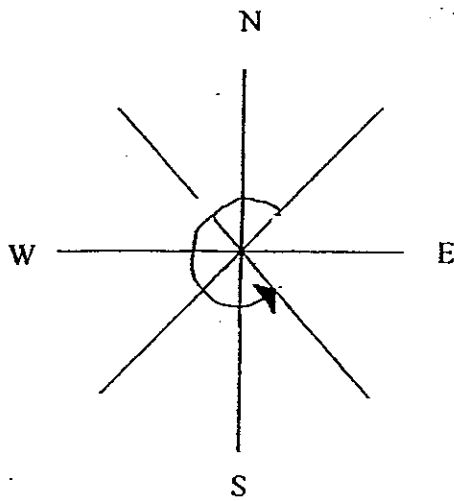
20. How many right angles can you find **within** the figure below?



Ans: _____ right angles

21.

Amy is facing North-East. If she makes $\frac{3}{4}$ of a complete turn to her left, in which direction would she be facing?



Ans: _____

22. Arrange the given fractions below in ascending order.

- $3\frac{1}{2}$, $\frac{16}{4}$, $\frac{8}{9}$

Ans: _____

23.

$\frac{2}{3}$ of the pupils in the class wear spectacles. There are 27 pupils in the class. How many pupils in the class wear spectacles?

Ans: _____ pupils

24. Round off the sum of 58909 and 8909 to the nearest thousand.

Ans: _____

25. $45507 = 40\,000 + 5007 +$ _____

What is the missing number?

Ans: _____

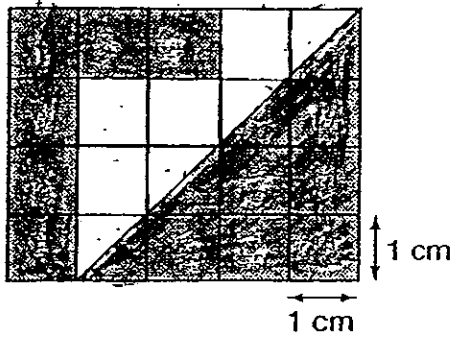
26. Mr Tan had 48 cartons of apples. There were 100 apples in each carton. He repacked all the apples into bags of 8. How many bags of apples were there?

Ans: _____

27. The perimeter of a rectangle is 112 cm. Its length is 3 times its breadth. Find the breadth of the rectangle.

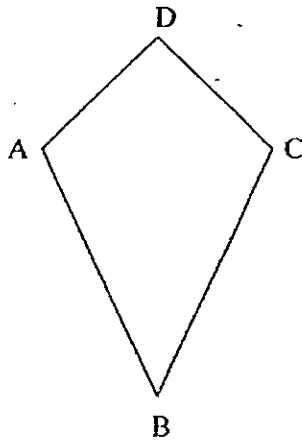
Ans: _____ cm

28. Find the shaded area of the figure shown below.



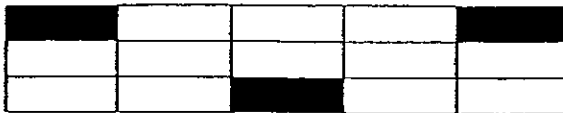
Ans: _____ cm²

29. In the figure below, name a pair of perpendicular lines.



Ans: _____

30. How many more rectangles must be shaded so that $\frac{4}{5}$ of the figure is shaded?



Ans: _____

31. Add $6\frac{1}{2}$ to $1\frac{1}{3}$. Leave your answer as an improper fraction.

Ans: _____

32. Mrs Goh bought $5\frac{7}{8}$ litres of paint. She used $2\frac{3}{4}$ litres of it to paint her wall. How many litres of paint had she left ?

Ans: _____ litres

33. What is the missing number in the pattern below?

42865 , 42876 , 53876 , _____ , 64887

Ans: _____

34. In a bookstore, there are 100 books. $\frac{2}{5}$ of the books are novels and $\frac{1}{4}$ of the rest are comic books. How many comic books are there?

Ans: _____ comic books

35. Selina has a mass of 20 kg. Her sister weighs $2\frac{3}{7}$ kg less than her. What is the total mass of the two sisters?

Ans: _____ kg

SECTION C (35 marks)

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [] at the end of each question or part-question.

36. Mei wants to buy a cupboard and a sofa from a furniture shop. The cupboard costs \$138. The sofa cost 5 times as much as the cupboard. She decides to buy two cupboards and a sofa. How much does she have to pay?

Ans: _____ [3]

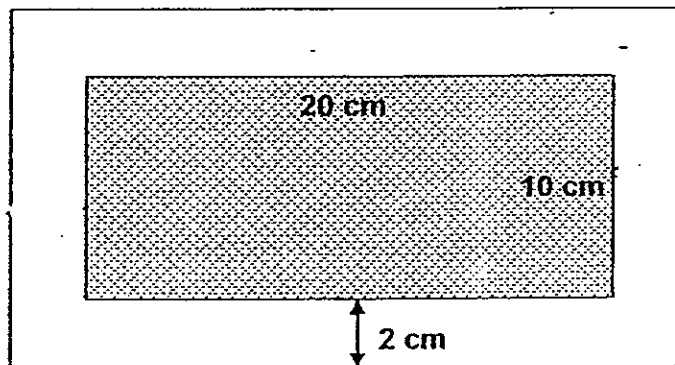
37. Janet bought 4m of string. Mary bought $\frac{9}{10}$ m of string less than her. How many metres of string did they buy altogether?

Ans: _____ [3]

38. \$2860 was shared among Adam, Bob and Chris. Adam received \$120 more than Bob. Chris received the same amount as what Adam and Bob received altogether. How much money did Chris receive?

Ans: _____ [4]

39. Mr Soh pasted a picture measuring 20 cm by 10 cm onto a rectangular cardboard leaving a 2-cm wide border all round it. Find the area of the cardboard not covered by the picture.



Ans: _____ [4]

40. When a container was half-filled with water, it weighed 490g. When it was three-quarter filled with water, it weighed 715g. Find the weight of the container when it is empty.

Ans: _____ [4]

41. Susan had 50 sweets. James had $\frac{3}{10}$ of the number of sweets that Susan had.

(a) Find the total number of sweets that they had altogether.

(b) If they packed the sweets into bags of 5 and sold each bag for \$1.10, find the amount of money they collected from the sale of the sweets.

Ans: (a) _____ [2]
(b) _____ [2]

42. 4 bags of barley and 6 bags of rice cost \$92. 4 bags of barley and 8 bags of rice cost \$136. Find the cost of three bags of rice.

Ans: _____ [4]

43. There were 3 alarm clocks in the room. The 1st clock beeped every 12 minutes, the 2nd clock beeped every 8 minutes and the 3rd clock beeped every 6 minutes. If they first beeped together at 7.00 a.m., what time would they next beep together again?

Ans: _____ [4]

44. The figures below are not drawn to scale. Figure A has the same area as figure B. Find the perimeter of figure B.

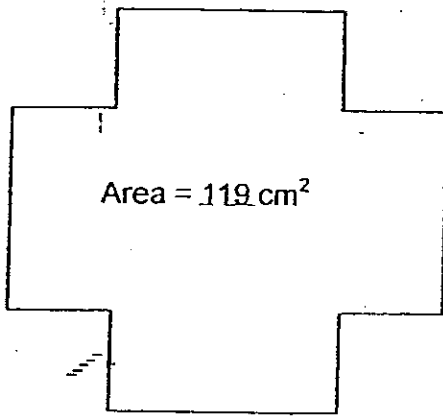


Figure A

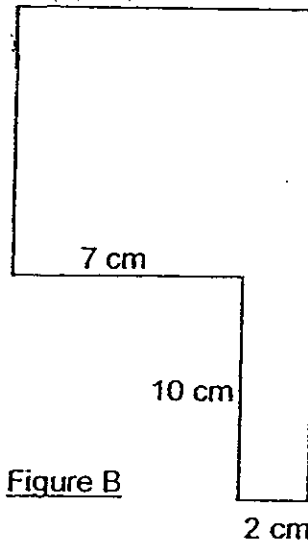
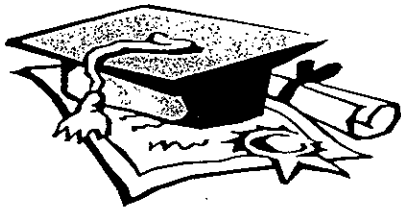


Figure B

Ans: _____ [5]

-End of Paper-
Please check your work carefully ☺

Setters: Ms Leong Oon Ho
Ms Suhana
Ms Florence Kong



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
 SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

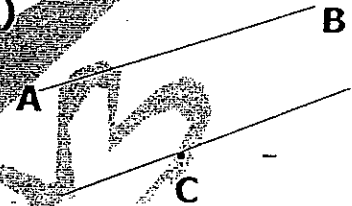
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 |

16) 1240

17) \$14700

18) 48cm

19)



20) 4

21) South-East

22) 8

16

23) 18

9, 3 1/2, 4

24) 68000

25) 500

26) 600

27) 14cm

28) 14cm²

29) AD ⊥ DC

30) 9

31) $\frac{47}{6}$

32) 3 1/8

33) 53887

34) 15

35) 37 4/7

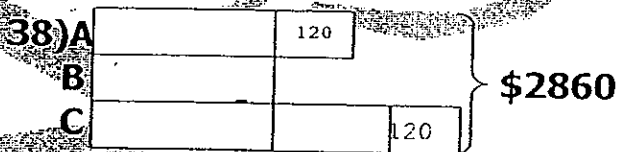
$$36) \$138 \times 5 = \$690$$

$$\$138 \times 2 = \$276$$

$$\$690 + \$276 = \$966$$

$$37) 4m - 9/10m = 310/10m - 9/10m = 31/10m$$

$$4m + 31/10m = 71/10m$$



$$4u = \$2860 - \$120 = \$2620$$

$$1u = \$2620 \div 4 = \$655$$

$$C = \$655 + \$655 + \$120 = \$1430$$

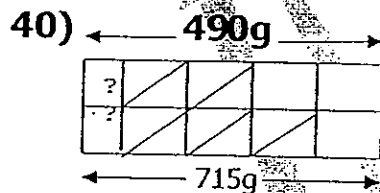
$$39) 20 + 2 + 2 = 24$$

$$10 + 2 + 2 = 14$$

$$24 \text{ cm} \times 14 \text{ cm} = 336 \text{ cm}^2$$

$$20 \text{ cm} \times 10 \text{ cm} = 200 \text{ cm}^2$$

$$336 \text{ cm}^2 - 200 \text{ cm}^2 = 136 \text{ cm}^2$$



$$1u = 715 - 490 = 225$$

$$2u = 225 \times 2 = 450$$

$$490\text{g} - 450\text{g} = 40\text{g}$$

41) a) $3/10 \times 50/1 = 15$

$$50 + 15 = 65$$

b) $65 \div 5 = 13$

$$13 \times \$1.10 = \$14.30$$

$$42) 2R = \$136 - \$92 = \$44$$

$$1R = \$44 \div 2 = \$22$$

$$3R = \$22 \times 3 = \$66$$

$$43) 1^{\text{st}} \text{ clock : } 12, 24, 36$$

$$2^{\text{nd}} \text{ clock : } 8, 16, 24, 32$$

$$3^{\text{rd}} \text{ clock : } 6, 12, 18, 24$$

7:00 a.m. \rightarrow 24 minutes later \rightarrow 7:24 a.m.

$$44) 10\text{cm} \times 2\text{cm} = 20\text{cm}^2$$

$$119\text{cm}^2 - 20\text{cm}^2 = 99\text{cm}^2$$

$$99\text{cm}^2 \div 9\text{cm} = 11\text{cm}$$

$$\text{Perimeter of B} = 11 + 9 + 11 + 10 + 2 + 10 + 7 = 60\text{cm}$$