

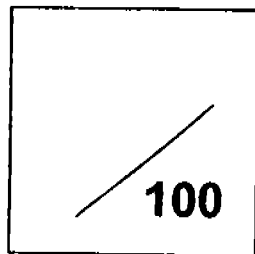
METHODIST GIRLS' SCHOOL (PRIMARY)

End-of Year Examination 2005 Mathematics

Name: _____ ()

Class: P4. _____

Marks:



Section A (40 marks)

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.

1. What is the value of 4 in 54 607?

- (1) 40
- (2) 400
- (3) 4 000
- (4) 40 000

2. Round off the sum of 43 385 and 684 to the nearest 100.

- (1) 44 000
- (2) 44 060
- (3) 44 070
- (4) 44 100

3. 8 is not a common factor of _____.

- (1) 16 and 24
- (2) 18 and 48
- (3) 24 and 32
- (4) 48 and 64

4. How many times can 9 be subtracted from 3 780?

- (1) 370
- (2) 380
- (3) 410
- (4) 420

5. Stephanie and Claire had 483 stamps altogether. Claire had twice as many stamps as Stephanie. How many stamps did Claire have?

- (1) 161
- (2) 241
- (3) 322
- (4) 966

6. $\frac{2}{3}$ is equivalent to _____ ninths.

- (1) 6
- (2) 2
- (3) 9
- (4) 4

7. Two similar packets of rice and a packet of sugar weigh $1\frac{3}{5}$ kg.

If the packet of sugar weighs $\frac{4}{5}$ kg, find the weight of 1 packet of rice.

- (1) $\frac{1}{5}$ kg
- (2) $\frac{2}{5}$ kg
- (3) $\frac{4}{5}$ kg
- (4) $2\frac{2}{5}$ kg

The graph below shows the number of mobile phones sold in 5 shops. Study it carefully and answer question 8.

Number of mobile phones sold in shops



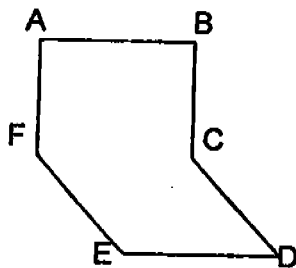
8. Which shop sold 3 times as many mobile phones as shop B?

- (1) Shop A
- (2) Shop C
- (3) Shop D
- (4) Shop E

9. What is $\frac{1}{9}$ of 2 right angles?

- (1) 10°
- (2) 20°
- (3) 30°
- (4) 40°

10. In the figure below, AF is perpendicular to _____.



- (1) AB
- (2) BC
- (3) FE
- (4) CD

11. How many hundredths are there in 0.45?

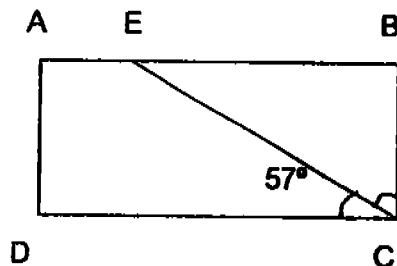
- (1) 50
- (2) 45
- (3) 5
- (4) 4

12. What is 2 tens and 12 hundredths in decimal form?

- (1) 0.32
- (2) 2.12
- (3) 3.20
- (4) 20.12

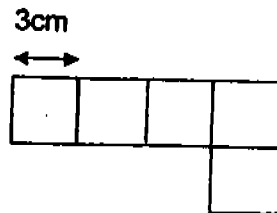
13. What is the number in the box?
 $30\text{m } 5\text{cm} = \square \text{ cm}$
- (1) 35
 (2) 305
 (3) 3 005
 (4) 3 050

14. In the figure below, ABCD is a rectangle and CE is a straight line. Find $\angle BCE$.



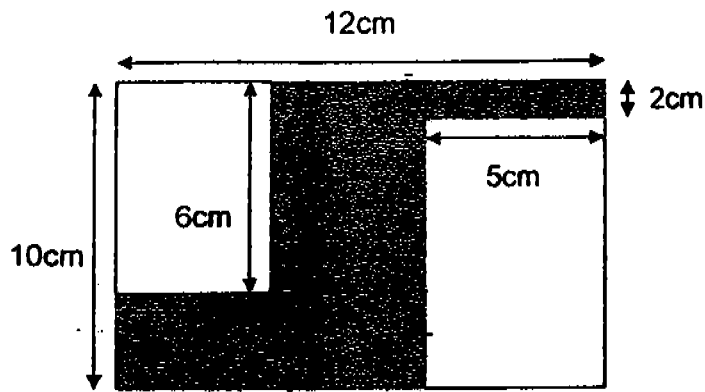
- (1) 33°
 (2) 45°
 (3) 57°
 (4) 133°
15. The area of a rectangular frame is 64cm^2 . Its breadth is 4cm . Find the perimeter of the frame.
- (1) 8cm
 (2) 16cm
 (3) 20cm
 (4) 40cm

16. The figure below is made of 3-cm squares. Find the area of the figure.



- (1) 5cm^2
 (2) 9cm^2
 (3) 15cm^2
 (4) 45cm^2

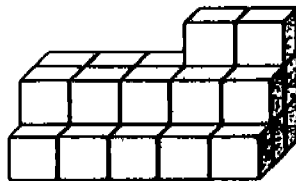
17. Find the area of the shaded region.



- (1) 56cm^2
(2) 64cm^2
(3) 80cm^2
(4) 120cm^2
18. How many letters in the word below has at least 1 line of symmetry?

MATHS

- (1) 1
(2) 2
(3) 3
(4) 4
19. The figure below is made of 1-cm cubes. What is the volume of the figure?



- (1) 12cm^3
(2) 17cm^3
(3) 15cm^3
(4) 27cm^3

20. A rectangular box measures 14cm by 9cm by 8cm.
How many 2-cm cubes can I put inside?

- (1) 112
- (2) 126
- (3) 252
- (4) 504

Section B (40 marks)

Fill in the blanks with the correct answers.

21. 38 412 is 30 000 less than _____ .

Ans: _____

22. There were 3 times as many children as adults at a garden party.
There were 240 children.
How many people were there at the party?

Ans: _____

23. The first common multiple of 15 and 20 is _____.

Ans: _____

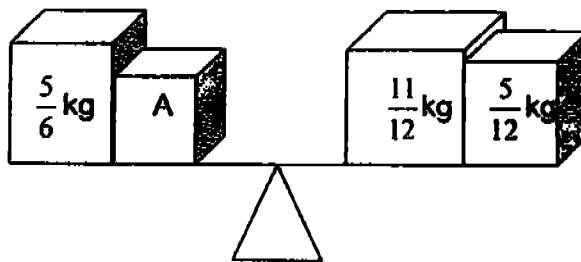
24. Jean saved \$160 a month. Denise saved \$60 more than Jean.
In half a year's time, Jean and Denise would have saved \$_____.

Ans: \$ _____

25. Jack wanted to buy a bicycle which cost \$320. He was short of \$195.
How much money did he have?

Ans: \$ _____

26. Study the diagram carefully. What is the weight of cube A?
Express your answer as a fraction in its simplest form.



Ans: _____ kg

27. Arrange the following fractions in ascending order, from the smallest to the greatest.

$$\frac{11}{12}, \frac{3}{4}, \frac{2}{3}$$

Ans: _____

The table below shows the prices of shampoo sold in bottles of different sizes. Study it carefully and answer questions 28 and 29.

SIZE	Shampoo (small)	Shampoo (medium)	Shampoo (large)
COST	\$7.80	\$9.10	\$11.20

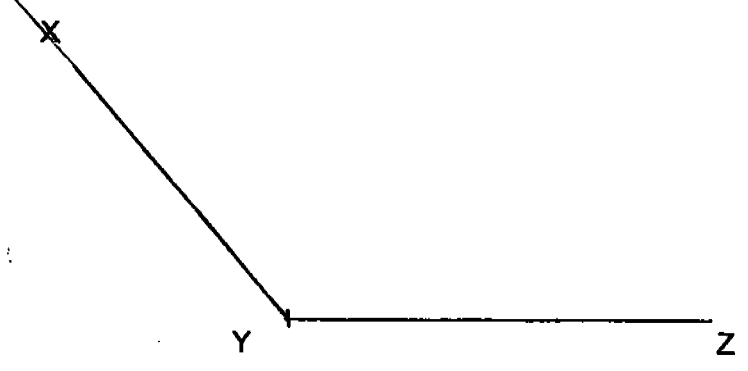
28. Mrs Tan bought 2 small bottles and 1 large bottle of shampoo. How much did she spend altogether?

Ans: \$ _____

29. Miss Low bought 3 medium bottles of shampoo. She gave the cashier \$50. How much change did she receive?

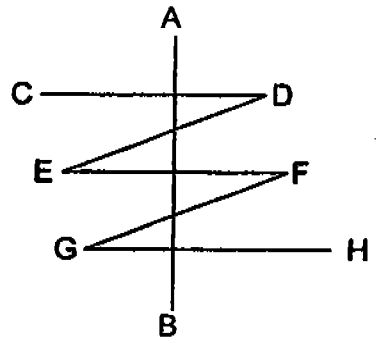
Ans: \$ _____

30. Measure $\angle XYZ$.



Ans: _____°

31. In the diagram below, how many lines are parallel to CD?



Ans: _____

32. What is the value of 20.8×7 ? Give your answer to the nearest whole number.

Ans: _____

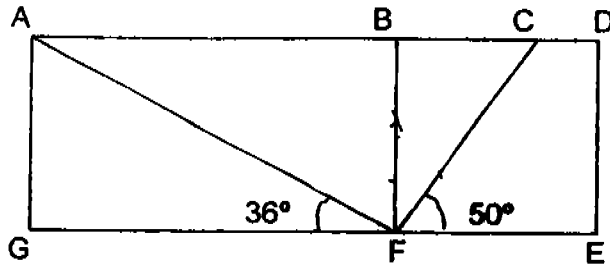
33. Mrs Ong bought 2 chickens weighing 2.9kg altogether. One chicken weighed 0.1kg heavier than the other. Find the weight of the lighter chicken.

Ans: _____ kg

34. Express 225 min in hours and minutes.

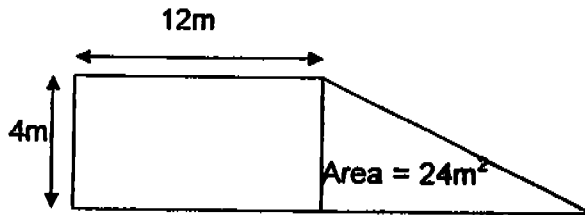
Ans: ___ h ___ min

35. In the figure below, ABFG is a rectangle and BDEF is a square.
 AF and FC are straight lines.
 Find $\angle AFC$.



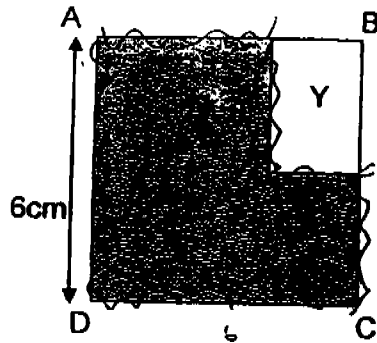
Ans: _____°

36. The figure below is made up of a rectangle and a triangle.
 The area of the triangle is 24m^2 .
 What is the area of the whole figure?



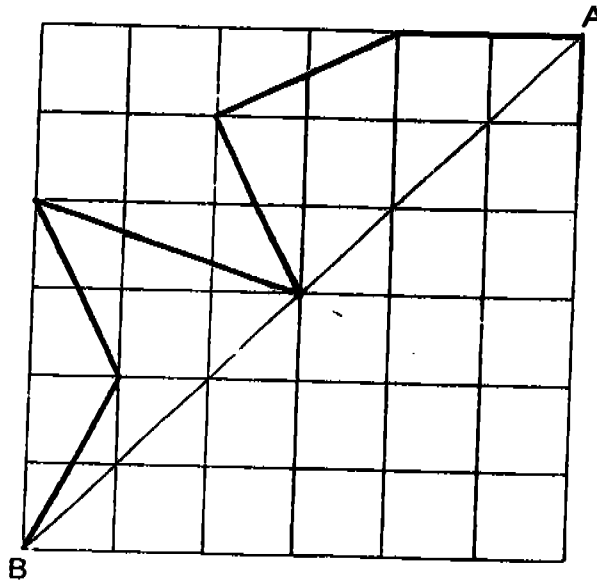
Ans: _____ m^2

37. In the figure below, ABCD is a square of side 6cm. Rectangle Y has been cut off. Find the perimeter of the shaded part.

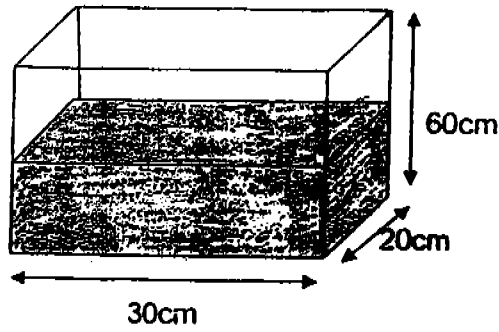


Ans: _____ cm

38. AB is the line of symmetry. Complete the symmetric figure.

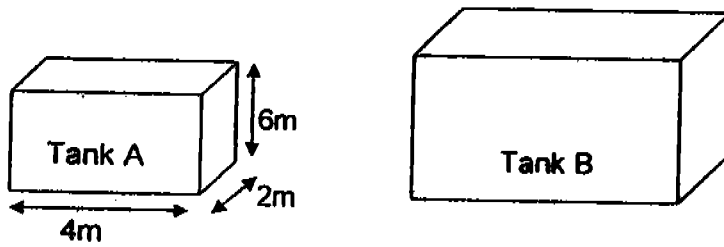


39. A tank is half filled with water. What is the volume of water in the tank?



Ans: _____ cm³

40. The volume of Tank B is twice that of Tank A.
Both tanks are completely filled with water.
What is the volume of tank B?



Ans: _____ m³

Section C (5 x 4 marks)

Answer all questions. All workings must be clearly shown.

41. Alice, Bernice and Cathy collected some shells for a Science project.
Alice collected 64 shells. Bernice collected 3 times as many shells as Alice.
Cathy collected only half as many as Bernice.
(a) How many shells did Cathy collect?
(b) How many shells did they collect altogether?

1

Ans: (a) _____ [2m]

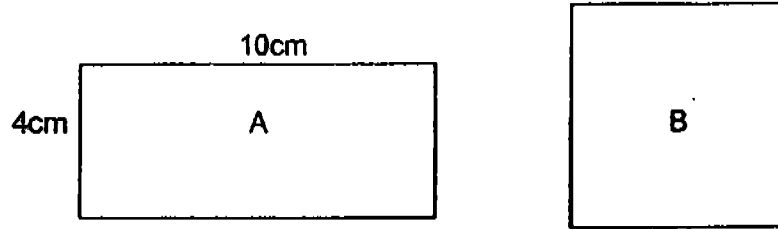
(b) _____ [2m]

42. 1 packet of sweets and 1 box of sugar weigh 4kg.
3 such packets of sweets and 1 box of sugar weigh 6.4kg.
(a) Find the weight of 1 such packet of sweets.
(b) Find the difference in weight between 1 packet of sweet and 1 box of sugar.

Ans: (a) _____ [2m]

(b) _____ [2m]

43. A length of wire is used to form Rectangle A, as shown below.
The same length of wire is used to form Square B.
(a) What is the length of 1 side of Square B?
(b) Find the total area of Rectangle A and Square B.



Ans: (a) _____ [2m]

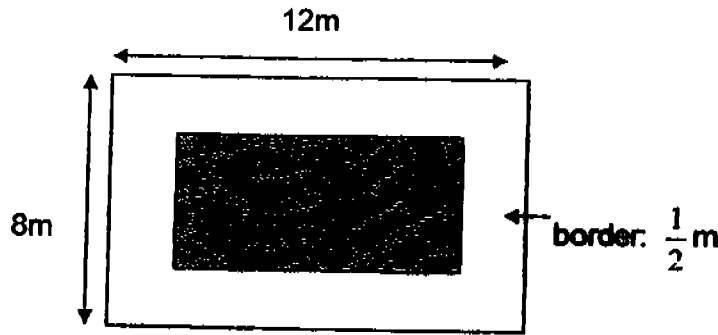
(b) _____ [2m]

44. Mrs Tan had \$156. Mrs Ong also had some money.
When Mrs Tan gave \$28 to Mrs Ong, they both had the same amount of money.
How much money did Mrs Ong have at first?

Ans: _____ [4m]

45. Mr Lee laid a carpet on the rectangular floor of his living room, leaving a border of $\frac{1}{2}$ m. The length of the floor was 12m and the breadth was 8m.

What was the area of the room not covered by the carpet?



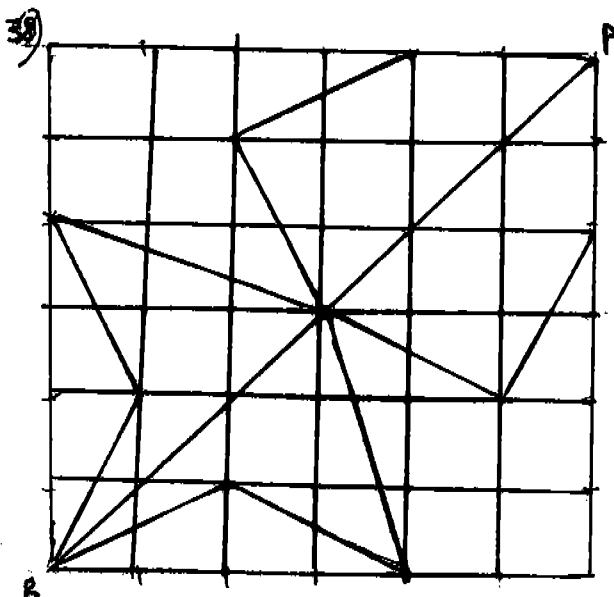
Ans: _____ [4m]

~ THE END ~
Have you checked your work?

METHODIST GIRLS' SCHOOL (PRIMARY)
 END OF THE YEAR EXAMINATION - 2005
 MATHEMATICS
 PRIMARY 4

SAR

- | | |
|-----------------------------|--|
| 1) 3 | 28) \$ 26.80 |
| 2) 1 | 29) \$ 22.70 |
| 3) 2 | 30) 131 |
| 4) 4 | 31) 2 |
| 5) 3 | 32) 146 |
| 6) 1 | 33) 1.4 |
| 7) 2 | 34) 3 hour 45 minutes |
| 8) 3 | 35) 94 |
| 9) 2 | 36) 72 |
| 10) 1 | 37) 24 |
| 11) 2 | 38) |
| 12) 4 | 39) 18000 |
| 13) 3 | 40) 96 |
| 14) 1 | 41) a) 96 shells b) 352 shells |
| 15) 4 | 42) a) 1.2 kg b) 1.6 kg |
| 16) 4 | 43) a) 7 cm c) 89 cm ² |
| 17) 1 | 44) \$ 100 |
| 18) 4 | 45) 19 m ² |
| 19) 4 | |
| 20) 1 | |
| 21) 68412 | |
| 22) 320 | |
| 23) 60 | |
| 24) \$ 2280 | |
| 25) \$ 125 | |
| 26) 1/2 | |
| 27) 2/3 3/4 11/12 | |



36
 END!