

**Primary Four
Mathematics
Semestral Assessment One**

Section A (20 x 2 marks = 40 marks)

For each of the following questions, 4 options are given. Choose the correct answer and write it in the box provided. No marks will be deducted for wrong answers.

1. When 4081 is divided by 7, the quotient is _____.

- (1) 573 (2) 583
(3) 593 (4) 385

2. 29 thousands, 8 hundreds and 1 one expressed as a numeral is _____.

- (1) 2971 (2) 20981
(3) 29081 (4) 29801

3. Which one of the following has the digit in **both** the tens and thousands place?

- (1) 45758 (2) 84755
(3) 58745 (4) 75547

4. $\frac{7}{12} - \frac{1}{4} =$ _____

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

5. Which of the following it **not** true?

- (1) $\frac{4}{8} = \frac{1}{2}$ (2) $\frac{3}{4} = \frac{9}{12}$
(3) $\frac{3}{15} = \frac{1}{5}$ (4) $\frac{9}{10} = \frac{12}{13}$

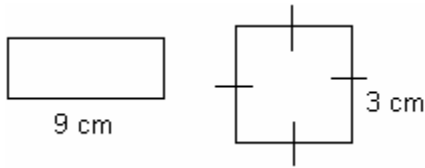
6. Express $\frac{22}{5}$ as a mixed number.

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

7. This year, Sherry's age is a multiple of 5. Next year, her age will be a multiple of 13. Sherry may be _____ years old.

- (1) 39 (2) 20
(3) 26 (4) 13

8. In the figures below, the rectangle and the square have the same area. Find the breadth of the rectangle.



- (1) 1 (2) 9
(3) 12 (4) 27

9. Find the product of 487 and 56. Round off the answer to the nearest hundred.

- (1) 27 200 (2) 27 270
(3) 27 280 (4) 27 300

10. _____ is 1 000 more than 49 090.

- (1) 50 009 (2) 50 090
(3) 50 990 (4) 51 090

11. Which of the following fractions has the smallest value?

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

12. The sum of the third and fourth multiples of 6 is _____.

- (1) 24 (2) 42
(3) 36 (4) 48

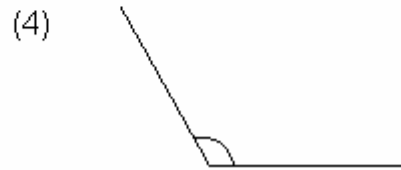
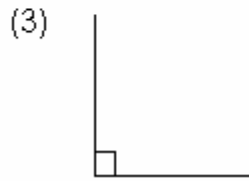
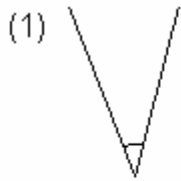
13. How many quarters are there in $5\frac{1}{4}$?

- (1) 1 (2) 5
(3) 20 (4) 21

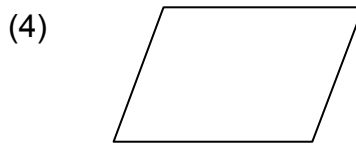
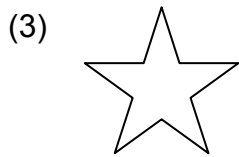
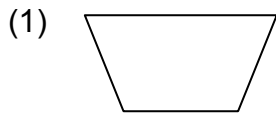
14. Express 20 minutes as a fraction of an hour.

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

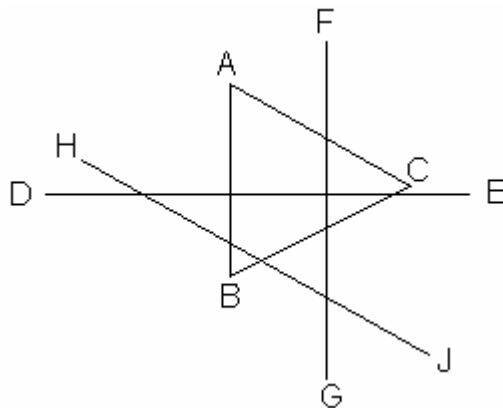
15. Which of the following angles is less than 90° ?



16. Which one of the following figures has both perpendicular lines and parallel lines?



This diagram is for answering questions 17 and 18.

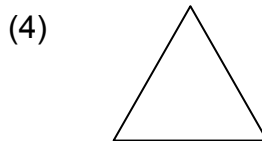
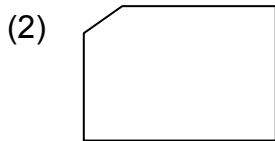
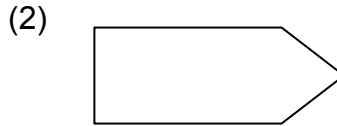
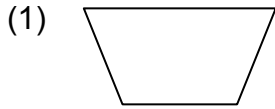


17. How many pairs of parallel lines are there?

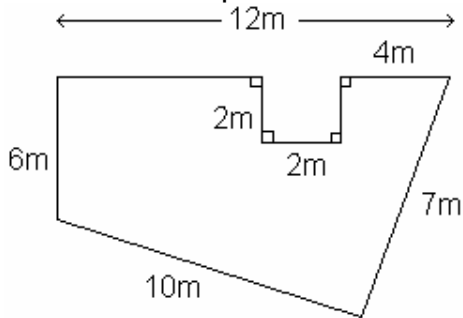
- (1) 0
- (2) 1
- (3) 2
- (4) 3

18. Which pair of lines are perpendicular?
 (1) AC and HJ (2) AB and FG
 (3) FG and DE (4) AB and HF

19. Which of the following figures has only two right angles?



20. What is the perimeter of the figure below?



- (1) 12m (2) 26m
 (3) 39m (4) 43m

Section B (20 x 2 marks = 40 marks)

**For each question in this section, write your answers in the box given.
Write down the appropriate units.**

21. Write fifty-eight thousand and eighty-five as a numeral.

22. Write down the difference between 6 898 and 989 to the nearest hundred.

23. Write down the missing number in the box.

$$\begin{array}{r} 76\boxed{?}5 \\ \times \quad 4 \\ \hline 30540 \end{array}$$

24. Express $8\frac{5}{6}$ as an improper fraction.

25. Arrange the fractions in ascending order. $\frac{3}{8}, \frac{7}{6}, \frac{1}{2}, \frac{7}{8}$

26. The product of 2 numbers is 6258. If one of the numbers is 7, what is the other number?

27. What is the missing number in the box?

$$\frac{\boxed{?}}{12} - \frac{2}{3} = \frac{1}{4}$$

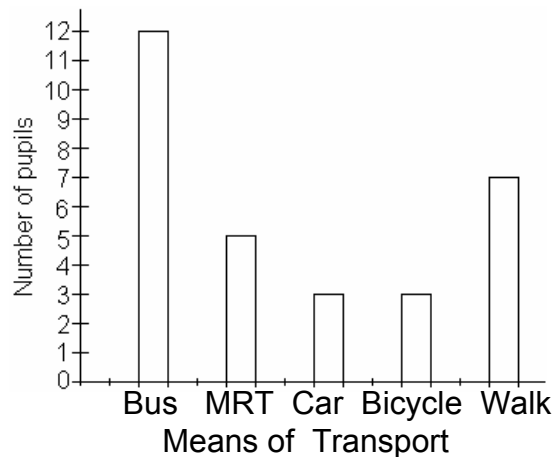
28. Find the sum of all the common factors of 12, 18 and 30.

29. A shopkeeper sold 229 dozens of buns over the weekend. How many buns did he sell over the weekend?

30. Amanda and her friends ate $\frac{1}{8}$ of a pie on Monday. She then ate another $\frac{1}{4}$ of the pie for tea the next day. What fraction of the pie was left?

31. Simon read $\frac{1}{4}$ of a magazine on Monday, $\frac{1}{6}$ of it on Tuesday and $\frac{1}{3}$ on Wednesday. What fraction of the novel has he finished reading?

The bar graph below shows the how the pupils travel to school. Study the graph carefully and answer questions 32, 33 and 34.

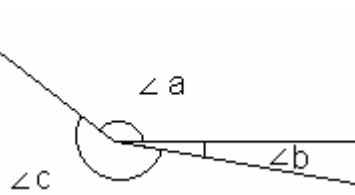


32. _____ more pupils travel to school by bus than the pupils who travel to school by MRT and by car.

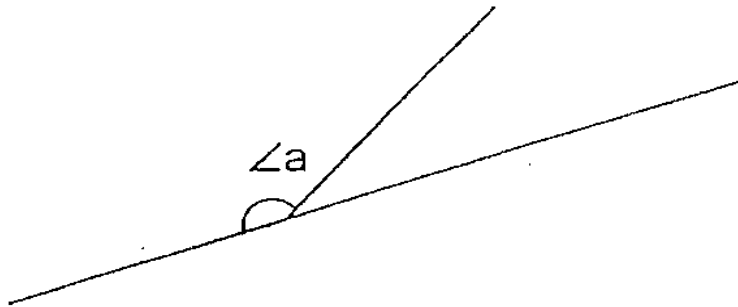
33. The total number of students in the class is _____.

34. The number of pupils travelling to school by _____ and _____ are the same.

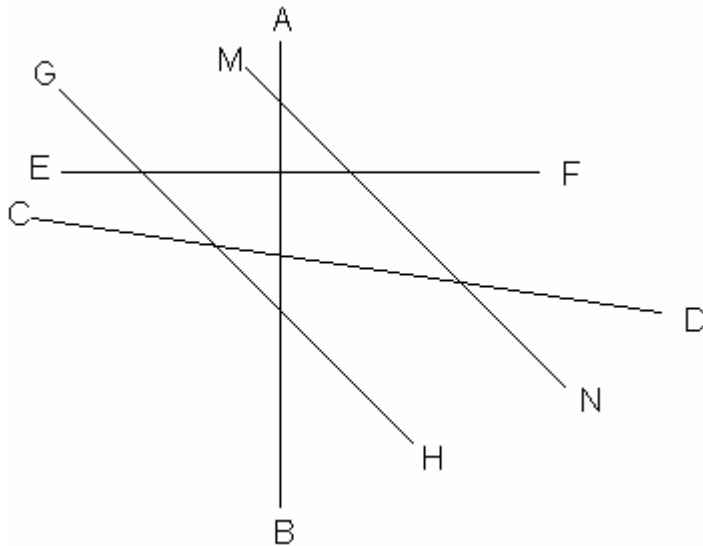
35. Identify the angle which is greater than 90° but less than 180° .



36. Measure $\angle a$.



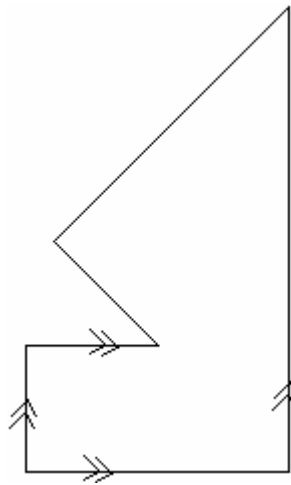
37.



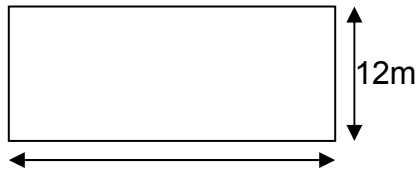
Name a pair of a) perpendicular lines

b) parallel lines

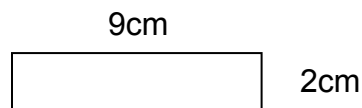
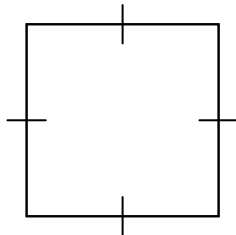
38. How many pairs of parallel lines are there in the figure?



39. What is the breadth of the plot of land if its area is 192m^2 ?



40. The area of the square is 2 times that of the rectangle. What is the length of the square?



Section C (5 x 4 marks = 20 marks)

For the following questions, show your working clearly in the given space below each question and write your final answers in the spaces provided.

41. James has 126 stamps. Jenny has 4 times as many stamps as James.

(a) How many more stamps does Jenny have than James?

(b) How many stamps must Jenny give to James so that they will both have the same number of stamps?

Answer: (a) _____ (2 marks)
(b) _____ (2 marks)

42. The length of a rectangular field is 3 times as long as its breadth. Mr Lim spends \$1080 to fence up the rectangular field. If it costs \$3 to fence 1m, what is the length of the field?

Answer: _____(4 marks)

43. Sam and Tom have a certain length of wire each. Sam has $9\frac{2}{7}$ m of wire. If he gives Tom $\frac{2}{7}$ m, both boys will have the same length of wires. Find the total length of wire the two boys have.

Answer: _____(4 marks)

44. Thomas and Bill made 72 model planes altogether. If Bill made $\frac{5}{12}$ of the model planes,

(a) how many model planes did Thomas make?

(b) If Bill sold $\frac{1}{2}$ of his share of model planes at \$3.50 each, how much would he earn?

Answer: (a) _____ (2 marks)
(b) _____ (2 marks)

45. The total cost of 5 televisions and 8 ovens is \$4518. Each television costs twice as much as one oven. What is the total cost of one television and one oven?

Answer: _____ (4 marks)
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