

**Primary Four
Mathematics
Semestral Assessment One**

Questions 1 to 20 carry one mark each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write it in the space provided.

1. The number that has the digit 5 in the thousands place is _____.

- (1) 51 209
- (2) 49 205
- (3) 36 504
- (4) 15 803

2. _____ is 79 000 when rounded off to the nearest 10.

- (1) 78 996
- (2) 79 006
- (3) 79 015
- (4) 79 908

3. Which of the following is a common factor of 9 and 18?

- (1) 2
- (2) 6
- (3) 9
- (4) 18

4. How many hundreds are there in the product of 2 625 and 4?

- (1) 10
- (2) 105
- (3) 1050
- (4) 10 500

5. When 562 is divided by 6, the remainder is _____.

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

6. Which of the following numbers when divided by 9 gives a quotient of 74 and a remainder of 3?

- (1) 660
- (2) 663
- (3) 666
- (4) 669

7. Mr Tan painted $\frac{1}{12}$ of the house. His brother painted $\frac{1}{4}$ of the same house. What fraction of the house was painted?

- (1) $\frac{1}{3}$
- (2) $\frac{1}{2}$
- (3) $\frac{5}{12}$
- (4) $\frac{7}{12}$

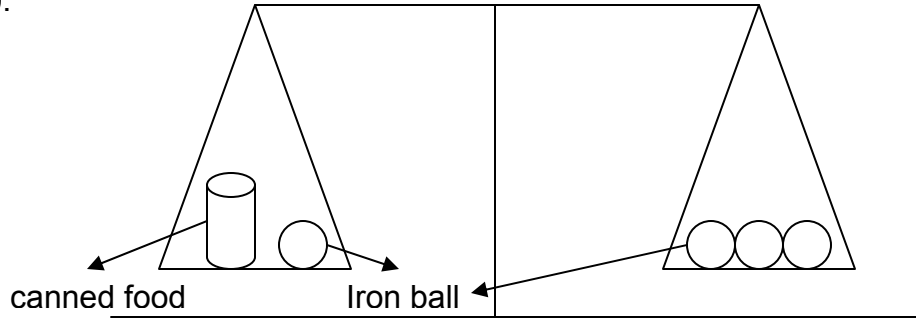
8. Evaluate $2 - \frac{2}{10}$. Give your answer in its simplest form.

- (1) $\frac{4}{5}$
- (2) $\frac{8}{10}$
- (3) $1 \frac{4}{5}$
- (4) $2 \frac{2}{10}$

9. How many eighths are there in $2 \frac{1}{2}$?

- (1) 5
- (2) 10
- (3) 15
- (4) 20

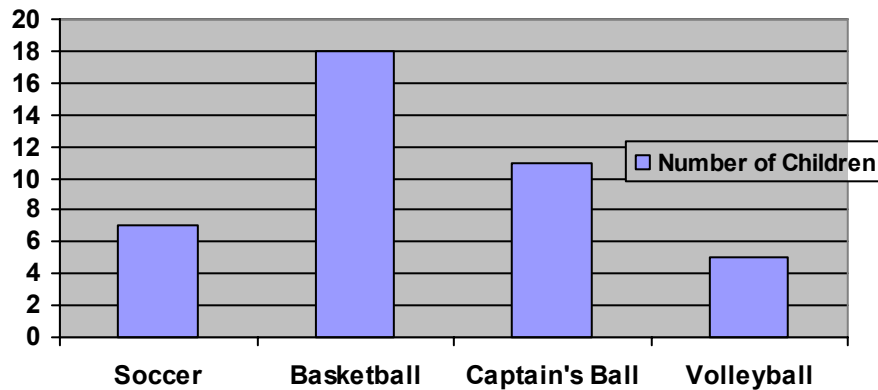
10.



If each iron ball weighs $\frac{3}{5}g$, what is the weight of the canned food?

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

11. The graph below shows what ball games the children in 4G like. Study it and answer questions 11 and 12.



_____ is more popular than _____ among the pupils.

- (1) Captain's ball ... basketball
- (2) Volleyball ... Soccer
- (3) Soccer ... Captain's ball
- (4) Basketball ... Volleyball

12. The difference between the number of children who likes Captain's ball and Soccer is _____.

- (1) 2
- (2) 6
- (3) 7
- (4) 4

13. Which one of the following angles is greater than 180° ?

(1)



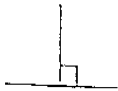
(2)



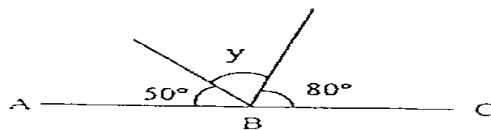
(3)



(4)

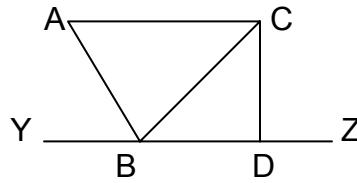


14. In the figure below, ABC is a straight line. The unknown angle y is _____. Angles are not drawn to scale.



- (1) 40°
- (2) 50°
- (3) 100°
- (4) 130°

15. In the figure, which one of the following lines is perpendicular to YZ?



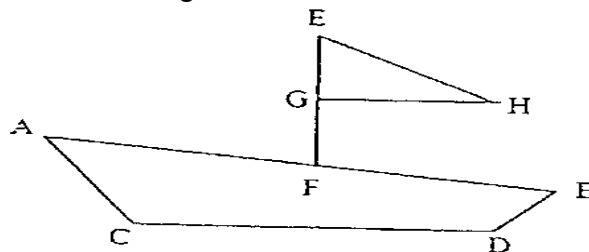
- (1) AB
- (2) AC
- (3) BC
- (4) CD

16. Which of the following letters are made up of perpendicular lines only?

H T N E L

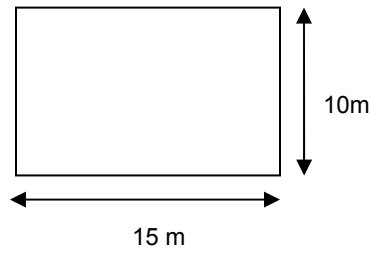
- (1) H and T
- (2) N and E
- (3) T and L
- (4) E and H

17. Which one of the following statements is correct about the lines below?



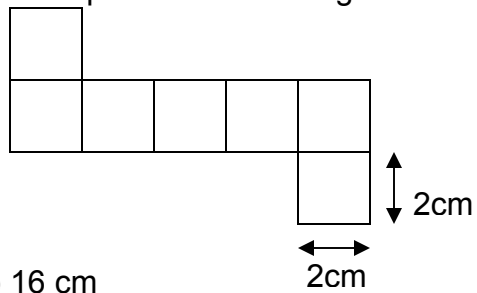
- (1) $AB \parallel CD$
- (2) $GH \parallel EF$
- (3) $EF \parallel AB$
- (4) $CD \parallel GH$

18. Find the area of the rectangle below.



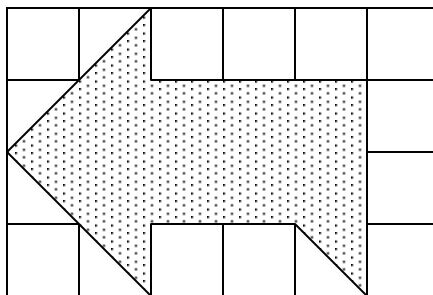
- (1) 15 m^2
- (2) 25 m^2
- (3) 50 m^2
- (4) 150 m^2

19. Find the perimeter of the figure.



- (1) 16 cm
- (2) 28 cm
- (3) 32 cm
- (4) 56 cm

20. Find the area of the shaded figure.



- (1) 10 sq unit
- (2) $10 \frac{1}{2}$ sq unit
- (3) $11 \frac{1}{2}$ sq unit
- (4) 13 sq unit

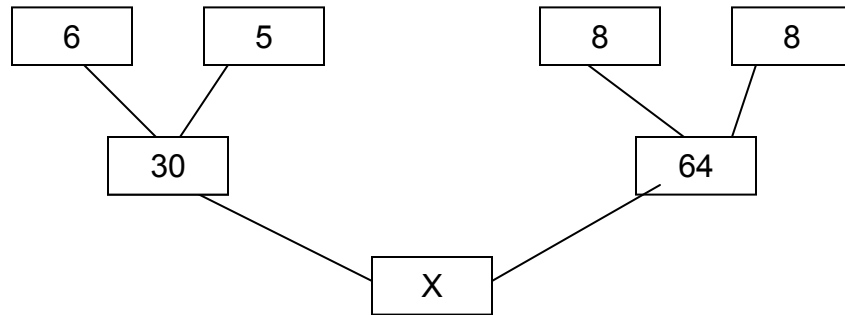
Questions 21 to 40 carry 2 marks each.
Write your answers in the blanks provided.

21. Ahmad bought 8426 pencils and sold 400 of them. How many pencils were left? Round off the answer to the nearest hundred.

22. I think of a number. It is greater than 5. It is a common factor of 16 and 24. What is the number?

23. 36 is the fourth multiple of a certain number, what is the number?

24. In the diagram below, what is the value of X?



25. 17 088 pencils had to be packed into boxes of 8 each. How many such boxes would there be?

26. Each worker working in a factory is paid a salary of \$1 306 a month. How much would be paid to 23 such workers?

27. Andrew was given $\frac{7}{10}$ of a pizza. He ate a fraction of it and found that $\frac{1}{5}$ of it was left. What fraction of the pizza did he eat? (Give your answer in the simplest form.)

28. What is the greatest whole number that can be placed in the box to make the number sentence below true?

$$1\frac{1}{4} + \boxed{} \text{ similar than } 6.$$

29. A bag of green beans weighs $5\frac{3}{8}$ kg. Another bag of red beans is $\frac{7}{8}$ kg heavier. What is the weight of the bag of red beans? (Give your answer in the simplest form.)

30. There are 80 balls in a box. $\frac{3}{8}$ of them are red. How many red balls are there?

31. The table below shows the number of participants from the various houses in the Annual Swimming Meet.

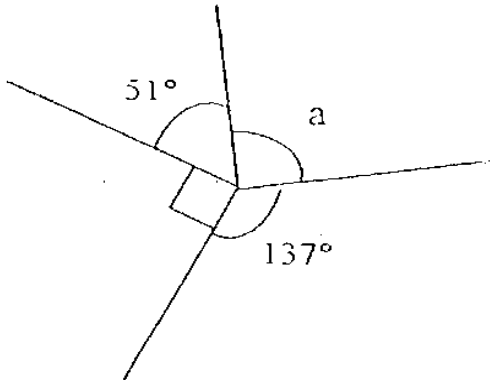
	Blue	Yellow	Red
Boys	19	20	17
Girls	26	23	24

Which house had the greatest number of participants?

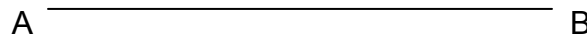
32. The table below shows the number of sandwiches Ali sold from Monday to Wednesday.

Day	Number of Sandwiches
Monday	138
Tuesday	156
Wednesday	124

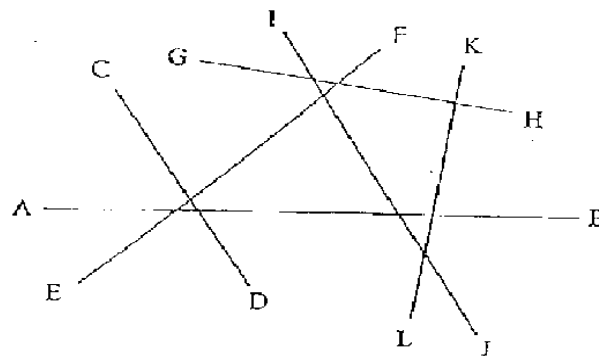
33. In the figure below, all angles are not drawn to scale. Find $\angle a$.



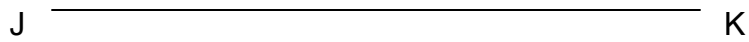
34. Using the dot on line AB given below, draw another line to form an angle which is smaller than a right-angle. Mark the angle.



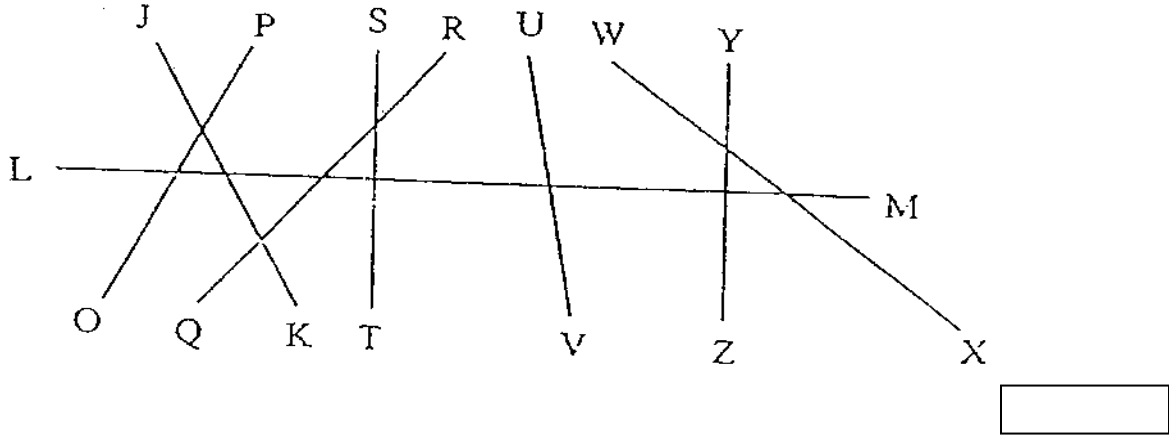
35. From the lines below, name the two perpendicular lines.



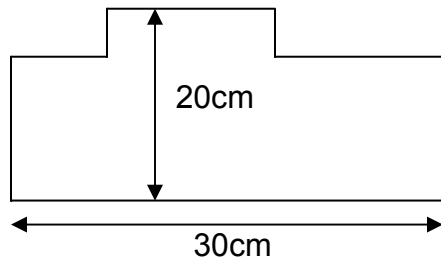
36. Using a ruler, a set-square or protractor and a pencil, draw a line perpendicular to JK.



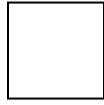
37. Name the two parallel lines found below.



38. Find the perimeter of the figure below.

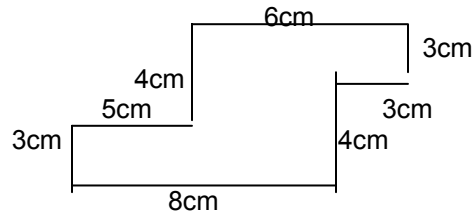


39. The perimeter of a square is 36cm. Find its area.



Perimeter = 36cm

40. Find the area of the figure below.



Questions 41 to 45 carry 4 marks each. Do these word problems carefully.

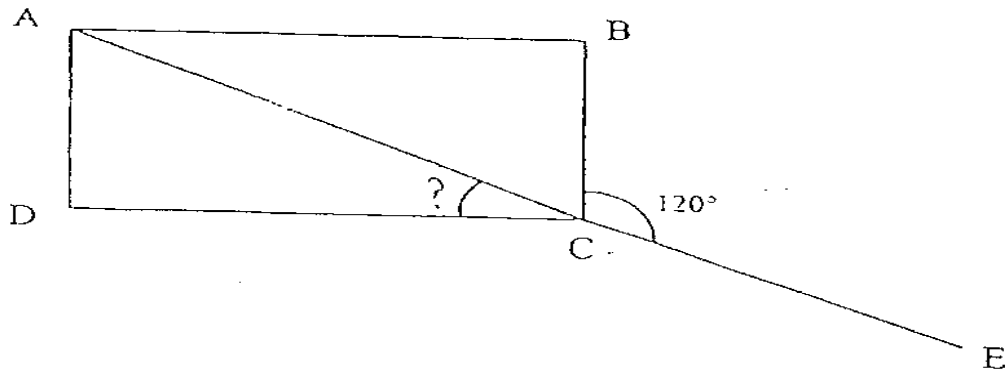
41. The table shows the results of two students, Ling Ling and Dera. Study it and answer questions a and b.

Name	English	Chinese	Mathematics	Total
Ling Ling	?	85	90	250
Dera	68	89	90	?

- a) Find Ling Ling's English marks.

- b) Find Dera's total marks for the three subjects.

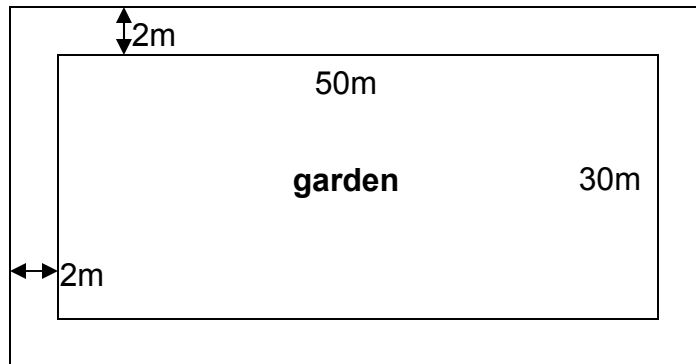
42. In the figure, ABCD is a rectangle and ACE is a straight line. Given $\angle BCE = 120^\circ$, find $\angle ACD$. (Figure not drawn to scale.)



43. Ming had twice as much money as Ryan. After Ming spent \$200, he had \$25 less than Ryan. How much money did they have at first?

44. $\frac{2}{5}$ of the people present at the party are adults. The rest are children. If there are 90 children, how many more children than adults are there? (You may use a model to help you.)

45. A garden measuring 50m by 30m has a 2m wide path around it. What is the area of the path?



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