

Practice Test

Maths 11+

Read the instructions carefully.

- Do not begin the test or open the booklet until told to do so.
 - Work as quickly and as carefully as you can.
 - Each question will tell you whether to write an answer or ring the correct answer from the options given.
 - You may do rough working on a separate sheet of paper.
 - If you make a mistake cross out the mistake and write the new answer clearly.
 - You will have 50 minutes to complete the test.
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- 1 If you need 6 apples to make a pie, how many pies can be made with 125 apples? _____
- 2 In the number 58 470, the digit 4 in this number has a value of 400. What is the value of the digit 8? _____
- 3 A plank is 4 m 6 cm long. It is cut in half. How long is each piece? _____

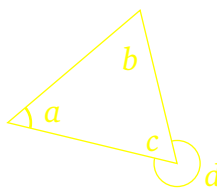
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1

1

This triangle has angles a , b , c and d . Angle a is 46° and angle b is 68° .

- 4 What is the size of angle c ? _____
- 5 What is the size of angle d ? _____



1

1

- 6 Jane is drawing a plan of her house. Her scale is 4 cm to 5 m. The hall is 10.5 m long. How long is the hall on her plan? _____ cm
- 7 Mike thought of a number. He halved it, then added 9. The answer was 45. What number did Mike think of? _____

1

1

Write the coordinates of:

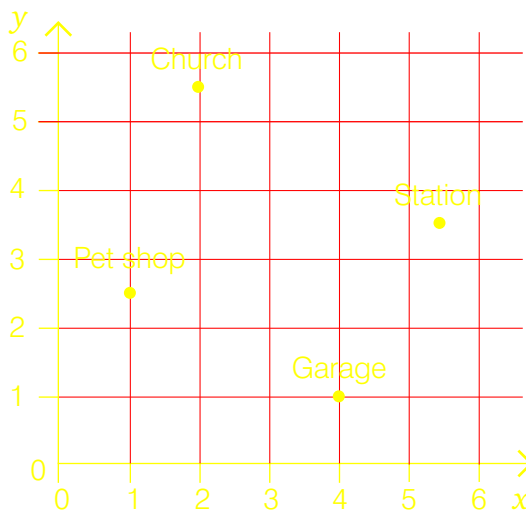
- 8 The church (____, ____)
- 9 The station (____, ____)
- 10 The pet shop (____, ____)
- 11 The garage (____, ____)

1

1

1

1



12 Circle the group of numbers below that are all multiples of either 3 or 5.

8, 10, 12 12, 14, 15 15, 18, 20 18, 20, 22 20, 24, 26

1

13 A holiday costs £360 for an adult. It is £150 less for a child. How much is it for three adults and two children to go? _____

1

14 Circle the number with the largest value.

6.03 5.05 6.10 5.99 6.09

1

15 In the equation $6a + 7 = 55 - 2a$, what is a ? _____

1

16 Here are some scores in a test: 11, 18, 9, 1, 6, 15, 3. What is the mean?

1

17 Which ratio is the equivalent to 27 : 36? Circle the correct answer.

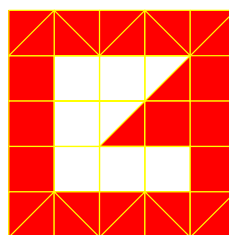
6:7 9:18 8:9 3:4

1

18 There are 45 pupils in a class. $\frac{1}{9}$ travel to school by train. $\frac{2}{5}$ travel by car. $\frac{2}{9}$ travel by bus. The rest walk to school. How many walk? _____

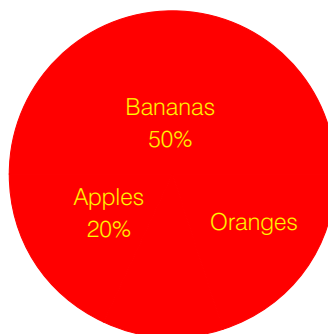
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19 What percentage of this shape is shaded?



1

20 420 shoppers are asked about their favourite fruit. How many like oranges?



1

21 I spend 34p on the bus fare each weekday. How much do I spend a week?

1

22 What is 2.467851 to two decimal places? _____

1

23 Circle the fraction with the largest value: $\frac{20}{24}$ $\frac{9}{12}$ $\frac{5}{6}$ $\frac{2}{3}$ $\frac{7}{8}$

1

24 Here are five scores in a cricket match: 11, 23, x , 44, 7. The mean score was 18. What is the value of x ? _____

1

25 What does 6^5 equal? Circle the correct answer.

$5 \times 5 \times 5 \times 5 \times 5 \times 5$ $6 \times 6 \times 6 \times 6 \times 6$ 6×5 65 56

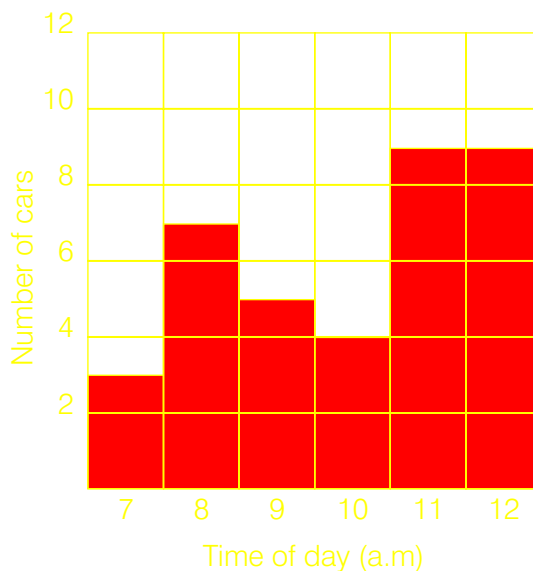
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26 $a = \frac{3}{5}$ of b . Circle the equation below that is not correct.

$5a = 3b$ $\frac{a}{b} = \frac{3}{5}$ $3a = 5b$ $a = \frac{3}{5}b$ $b = \frac{5}{3}a$

1

The bar chart shows the number of cars that went past a traffic survey checkpoint every hour.



27 How many more went by at 11 a.m. than 7 a.m.? _____

1

28 How many fewer went by at 9 a.m. than 12 p.m.? _____

1

A fruit bowl contains an apple, two pears and three oranges. You choose a fruit from the bowl without looking. Say whether each pair of statements are **both** true. Circle Yes or No.

29 You have a less than even chance of picking an apple.

You have a less than even chance of picking a pear. Yes No

 1

30 You have an even chance of picking an orange.

You have a greater than even chance of picking an apple. Yes No

 1

31 You have a greater than even chance of picking an orange.

You have a less than even chance of picking a pear. Yes No

 1

32 You have a greater than even chance of picking a pear.

You have an even chance of picking an orange. Yes No

 1

33 You are certain to pick a fruit.

You have a greater than even chance of picking an orange. Yes No

 1

34 The area of a rectangle is 48 cm^2 . What could be the perimeter of the rectangle? Circle the correct answer.

12 cm 14 cm 18 cm 28 cm 30 cm

 1

35 Jamal will be a years old in four years' time. How old was he eight years ago in terms of a ? _____

 1

36 There are 360 cars in the car park. $\frac{1}{12}$ are red. $\frac{2}{3}$ are green. The rest are silver. How many silver cars are there? _____

 1

37 There are 300 paper clips in a box. How many paper clips in 7.5 boxes?

 1

38 Circle the number below that has the closest value to 2.

$1\frac{19}{25}$ 172.8% 1.73 172.9% $1\frac{19}{26}$

 1

39 80 cm of a 4.4 m stretch of road need repairing. What fraction is this? Circle the correct answer.

$\frac{1}{9}$

$\frac{1}{10}$

$\frac{3}{12}$

$\frac{4}{26}$

$\frac{2}{11}$

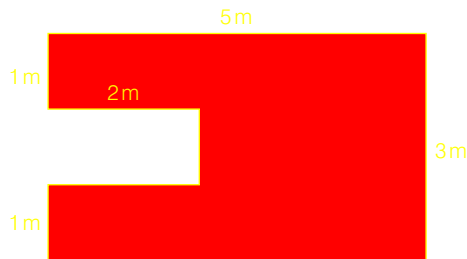
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40 I am half as old as my sister. In six years' time she will be 22. How old am I?

 1

Look at this room plan.

41 What is the perimeter of the room?


 1

42 What is the area of the room?

 1

43 Carpet costs £8 a square metre. How much will it cost to carpet the room?

 1

I go to the supermarket and spend £3.50 on meat, 90p on bread, £2.50 on fruit, £3.75 on cheese, £2.15 on fruit juice and £1.45 on eggs.

44 How much have I spent? _____

 1

45 How much change will I get from £20? _____

 1

46 Steaks cost £4.99 each. A chef buys 125 for his restaurant. What is the total cost?

£499

£625

£623.75

£623.25

£626.25

 1

When every space on the grid is filled in, each row and column adds up to 44.

47 What is the value of **A**? _____

17		A	44
12		15	44
	9	B	44
44	44	44	

 1

48 What is the value of **B**? _____

 1

49 How should the time 4.45 in the morning be written? Circle the correct answer.

16.45

14.45

18.45

13.45

04.45

1

50 A door is 5 feet 9 inches high. Which is closest to its height in metres? Circle the correct answer.

1.5 m

1.6 m

1.7 m

1.8 m

1.9 m

1

