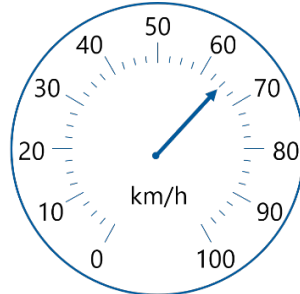


11+ maths entrance test 1

4. The diagram shows the speed a car is travelling at. The speed limit on the road is 50 km/h.



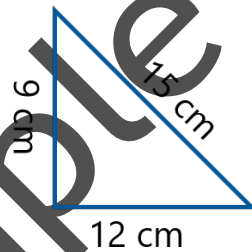
By how much is the car above the speed limit?

5. How many thirds are there in $6\frac{2}{3}$?

A 12 km/h **B** 65 km/h **C** 62 km/h **D** 15 km/h **E** 75 km/h

A 2 **B** 18 **C** 15 **D** 20 **E** 12

6. The triangle and the square have the same perimeter.



What is the area of the square?

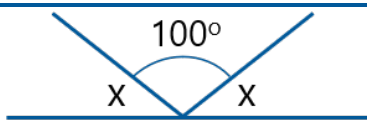
A 36 cm^2 **B** 81 cm^2 **C** 54 cm^2 **D** 36 cm **E** 81 cm

9. 100 can be written as the sum of two different square numbers.

Which two square numbers?

and

11. Find the size of x.



- A** 80° **B** 50° **C** 140° **D** 30° **E** 40°

12. The timetable shows the times of buses from Willstown.

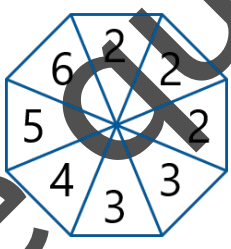
Willstown	9:25	9:55	10:25
Keynbridge	9:36	10:06	10:36
Salton	9:58	10:28	10:58

Louise wants to be in Salton to meet her friend at 10:30.

What is the latest bus she can catch from Willstown?

- A** 9:25 **B** 10:06 **C** 10:25 **D** 10:28 **E** 9:55

15. What is the probability of getting a multiple of 3 on this spinner?

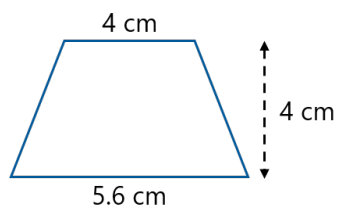


- A** $\frac{1}{4}$ **B** $\frac{3}{8}$ **C** $\frac{12}{8}$ **D** $\frac{3}{5}$ **E** $\frac{5}{8}$

32. The formula to find the area of a trapezium is:

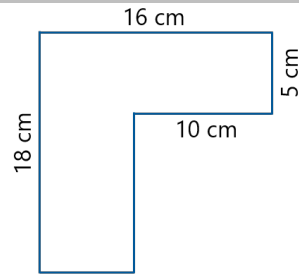
$A = \frac{1}{2}h(a + b)$ where **a** and **b** are the parallel sides and **h** is the height.

Find the area of the following trapezium.



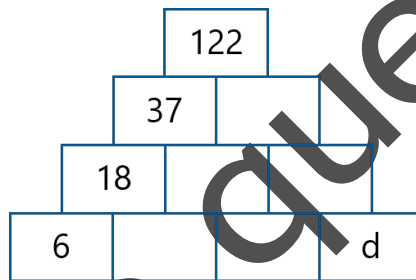
- A** 9.6 cm² **B** 38.4 cm² **C** 18 cm² **D** 44.8 cm² **E** 19.2 cm²

35. What is the area of the following compound shape?



- A** 49 cm^2 **B** 152 cm^2 **C** 130 cm^2 **D** 158 cm^2 **E** 68 cm

44. In this pyramid, each rectangle is filled with the sum of the two numbers in the rectangles directly below it.



What number should replace d ?

- A** 59 **B** 49 **C** 39 **D** 29 **E** 19
-
48. The radius of a 10p coin is 12.25 mm.
Mina makes a straight line of 10p coins worth £1.
How long is the line in cm?
- A** 122.5 cm **B** 245 cm **C** 24.5 cm **D** 2.45 cm **E** 12.25 cm