

1 A sprinter runs a distance of 400 metres in 44 seconds.

Work out the average speed of the sprinter.

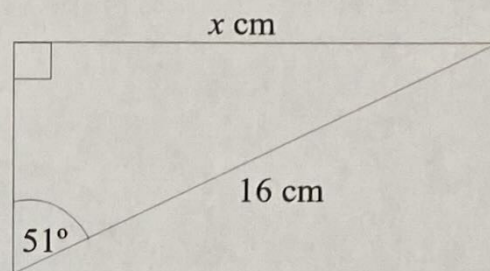
Give your answer to 1 decimal place.

2 A liquid has a density of 1.2 grams per ml.
Find the mass of 250 ml of the liquid.

3 In a class the ratio of boys to girls is 4:3
30% of the boys are left handed.

What fraction of all the people in the class are left handed boys?

4



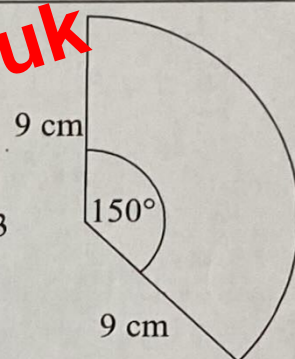
Work out the value of x .

5 Write 0.07 in standard form.

6

Calculate the area of the sector.

Give your answer correct to 3 significant figures.



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Alex has some marbles.
Billie has three times as many marbles as Alex.
Chris has 9 fewer marbles than Billie.

In total they have 68 marbles.
How many marbles does Alex have?

8

Dave is making cookies.
He mixes flour, butter and sugar in the ratio 4 : 3 : 1

Dave uses 195 grams of butter.
Work out how much flour and sugar Dave uses.

9

Simplify $6m^4n^2 \times 3m^2n$

10

It takes 3 painters 8 days to paint a building.

Work out how many days it would take 2 painters to paint the same building.