

8th August



Corbettmaths

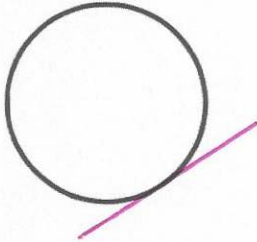
Solve $5x + 3 = 58$

$$\begin{array}{r} -3 \quad -3 \\ 5x = 55 \\ x = 11 \end{array}$$

Solve

$$\frac{w}{3} = 12$$

$$\begin{array}{r} \times 3 \quad \times 3 \\ w = 36 \end{array}$$



Draw a tangent.

The ratio of boys to girls in a class is 2:3.

$$2+3=5$$

Explain why there cannot be 22 students in the class.

The number of students in the class must be a multiple of 5

James buys 10 boxes of orange juice.

The cost of each box is £4.
Each box contains 10 cartons of orange juice.

James sells $\frac{3}{4}$ of the cartons for 80p each.

She then reduces the price by 25% and sells the remaining cartons.

Work out the total profit.

$$100 \text{ cartons cost } £40$$

$$75 \times 80p = £60$$

$$25 \times 60p = £15$$

$$£60 + £15 = £75$$

$$£75 - £40 = \underline{\underline{£35}}$$