

8th August

Foundation 5-a-day



Corbettm@ths

Solve $5x + 3 = 58$

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

Solve

$$\frac{w}{3} = 12$$
$$w = 36$$



Draw a tangent.

In a bag, there are red sweets and yellow sweets, in the ratio 3:4

Explain why there cannot be 25 sweets in the bag.

$$3+4$$

25 is not a multiple of 7

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.

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

Work out the total profit.

$$10 \times 4 = £40$$
$$10 \times 10 = 100 \text{ cartons}$$
$$\frac{3}{4} \text{ of } 100 = 75$$
$$75 \times 0.8 = £60$$
$$25 \times 0.6 = £15$$
$$\underline{\quad \quad \quad}$$
$$£75$$
$$75 - 40 = £35$$