

**23rd December**

Corbettmaths

Solve  $w + 3 = 20$ 

$$\begin{array}{r} -3 \quad -3 \\ w = 17 \end{array}$$

Solve  $7y = 35$ 

$$\begin{array}{r} \div 7 \quad \div 7 \\ y = 5 \end{array}$$

Mr Cooper wants to hire a carpet cleaner.

It costs £15 per day.

Mr Cooper's final bill is £90.

How many days did he hire the carpet cleaner for?

$$90 \div 15 = 6 \text{ days}$$

David has a spinner that has sections labelled 1 to 5.

He spins the spinner 10 times.

Here are his scores.

$$\begin{array}{l} 1 + 4 + 4 + 2 + 3 + \\ 4 + 5 + 1 + 4 + 1 = 29 \end{array}$$

Work out the mean

$$29 \div 10 = 2.9$$

Share £405 in the ratio 2:3

$$2 + 3 = 5$$

$$405 \div 5 = 81$$

$$81 \times 2 = 162$$

$$81 \times 3 = 243$$

Enlarge the trapezium by scale factor 3, centre (6, 0).

