

Work out the median

3 8 4 8 3 5 9

5

~~3~~ ~~8~~ 4 5 8 ~~8~~ ~~9~~

Work out the range

3 8 4 8 3 5 9

$$9 - 3 = 6$$

List 3 metric units

centimetres

millimetres

metres

grams

kilograms

millilitres

litres

examples

List 3 imperial units

stones

pounds

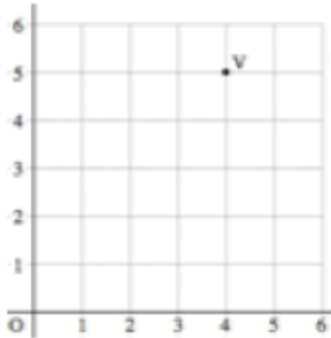
ounces

miles

yards

feet

pints

examples

Write down the coordinates of V

$$(4, 5)$$
 $\frac{3}{8}$ of 56

$$56 \div 8 = 7$$

$$7 \times 3 = 21$$

382 x 45

$$17190$$

May 2nd

5-a-day

Foundation

Score 1 2 3 4
Probability 0.4 0.2 0.15 x

0.25

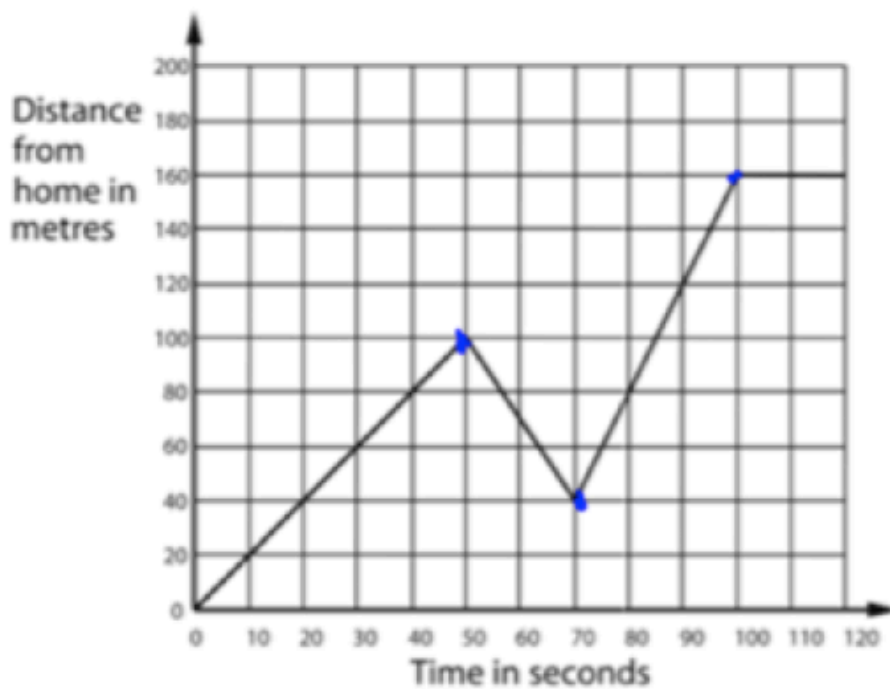
A coin is flipped 100 times. It lands on heads 83 times.

What is the relative frequency of getting a tails?

$$\frac{17}{100}$$

Do you think the coin is fair? Explain your answer.

No
should be closer to 50 heads.

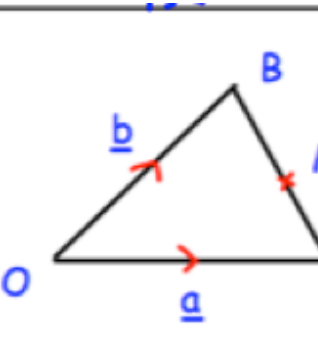


What was the speed, in metres per second, over the first 50 seconds of the journey?

$$100 \div 50 = 2 \text{ m/s}$$

How far was travelled in total?

$$\begin{array}{r} 100 \\ + 60 \\ + 120 \\ \hline 280 \text{ m} \end{array}$$

May 2	5-a-day	Higher
<p>Expand and simplify</p> $(2x + 11)^2 - (x - 7)^2$		$3x^2 + 58x + 72$
<p>Martin and Alan share £500 in the ratio 3:7.</p> <p>How much do they each receive?</p>		$500 \div 10 = 50$ $50 \times 3 = \pounds 150 \text{ Martin}$ $50 \times 7 = \pounds 350 \text{ Alan}$
<p>A sphere has radius 2cm.</p> <p>What is the volume of the sphere?</p>		$\frac{4}{3} \pi r^3$ $\frac{4}{3} \times \pi \times 8 = 33.51 \text{ cm}^3$ <p>2 dp</p>
<p>In a tin there are:</p> <p>4 chocolate biscuits</p> <p>3 plain biscuits</p> <p>5 Hobnobs</p> <p>Work out the probability that two biscuits picked at random are different.</p>	<p>CC $\frac{4}{17} \times \frac{3}{11} = \frac{12}{132}$</p> <p>PP $\frac{3}{12} \times \frac{2}{11} = \frac{6}{132}$</p> <p>MH $\frac{5}{12} \times \frac{4}{11} = \frac{20}{132}$</p> <p>Same = $\frac{38}{132}$</p>	$\frac{94}{132} = \frac{47}{66}$
<p>M is the midpoint of AB.</p> <p>Find vector AM in terms of a and b.</p>		 <p>$AB = \underline{b} - \underline{a}$</p> <p>$AM = \frac{1}{2} AB$</p>

$$\underline{AM} = \frac{1}{2} \underline{b} - \frac{1}{2} \underline{a}$$