

$$36 \times \bigcirc = 0$$

$$36 \times | = 36$$

$$58 \div 58 = 1$$

$$58 \div 1 = 58$$

A piece of wire 68cm long is cut into eight equal pieces. What is the length of each piece?

$$\begin{array}{r} 8.5 \\ 8 \overline{) 68.0} \\ \underline{64} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

8.5cm

A doctor has to see 51 patients. He can see 6 patients per hour, how many hours will it take him?

$$\begin{array}{r} 8.5 \\ 6 \overline{) 51.00} \\ \underline{48} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

8.5hrs

Choose a prime number between 50 and 100. Divide it by seven.

What is the remainder?

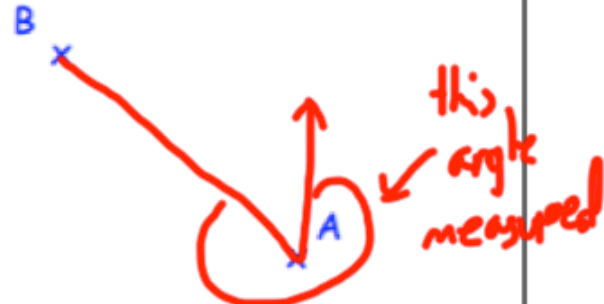
4

$$\begin{array}{r} 07 \\ 7 \overline{) 53} \\ \underline{49} \\ 4 \end{array}$$

A machine puts sweets into bags. Each bag holds 15 sweets. How many bags can be filled with 381 sweets?

25

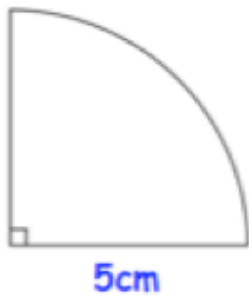
$$\begin{array}{l} 20 \text{ bags} = 300 \text{ sweets} \\ 5 \text{ bags} = 75 \text{ sweets} \end{array}$$

March 27th	5-a-day	Foundation
<p>Multiply three quarters and one fifth</p> $\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$		
<p>A drink contains 50ml of Fruit Juice and 200ml of Water.</p> <p>What percentage of the drink is Water?</p>	$\frac{200}{250} = \frac{20}{25} = \frac{4}{5}$ $= 80\%$	
<p>If $x = 1$, work out the median</p> $\frac{4}{x}, \quad \frac{x}{4}, \quad 4 - x.$ <p>4 0.25 3</p>	<p>0.25 <u>3</u> 4</p> <p style="text-align: center;">3</p>	
<p>List all the possible integer values for n, such that</p> $4 \leq n < 8$ <p>4 5 6 7</p>		
<p>Measure the bearing of B from A.</p>		

March 27th

5-a-day

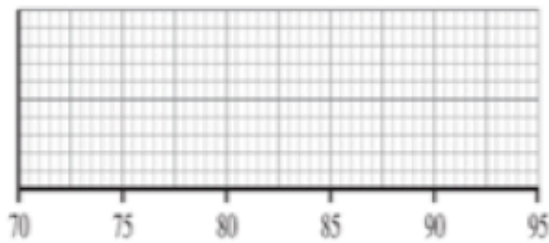
Higher



$$\pi \times 5^2 = 25\pi$$

$$25\pi \div 4 = 19.6 \text{ cm}^2$$

Calculate the area of this quarter circle



The median score was 85. The lowest quartile was 78 and lowest score was 71.

The range is 21 and interquartile range 10.

Draw the box plot

Simplify

$$\frac{4}{2v} + \frac{5}{3v}$$

$$\frac{12}{6v} + \frac{10}{6v} = \frac{22}{6v} = \frac{11}{3v}$$

What is the value of n

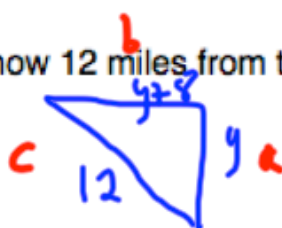
$$5^n = \frac{1}{125}$$

$$5^{-3} = \frac{1}{125}$$

$$n = -3$$

A man walks y miles North and then (y + 8) miles west.

He is now 12 miles from the starting point.



Show y satisfies $y^2 + 8y - 40 = 0$

$$a^2 + b^2 = c^2$$

$$y^2 + (y+8)^2 = 12^2$$

$$y^2 + y^2 + 16y + 64 = 144$$

$$2y^2 + 16y - 80 = 0$$

$$y^2 + 8y - 40 = 0 \quad \checkmark$$