

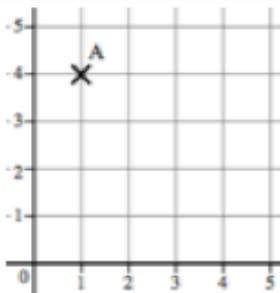
March 6th

5-a-day

Numeracy

$$\sqrt{64}$$

8



What is the coordinate of A?

(1, 4)

Solve $9x = 27$

$$\div 9 \div 9$$

$$x = 3$$

Solve

$$\frac{y}{3} = 6$$

$$\times 3 \times 3$$

$$y = 18$$

Calculate 40% of 60

$$10\% = 6$$

$$10\% = 6$$

$$10\% = 6$$

$$10\% = 6$$

$$= \frac{6}{24}$$

24

$$\frac{3}{7} \times 56$$

$$\frac{3}{7} \times \frac{56}{1}$$

$$\frac{24}{1} = 24$$

$$\frac{3}{7} \text{ of } 56$$

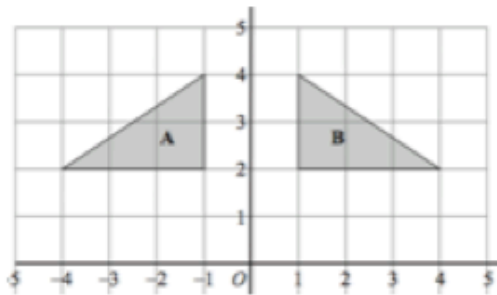
$$56 \div 7 = 8$$

$$8 \times 3 = 24$$

Estimate

$$\sqrt{30}$$

$$\begin{aligned} \sqrt{25} &= 5 \\ \sqrt{36} &= 6 \\ \text{so } \sqrt{30} &\text{ is around} \\ &5.5 \end{aligned}$$



Describe the single transformation

reflection in the y-axis

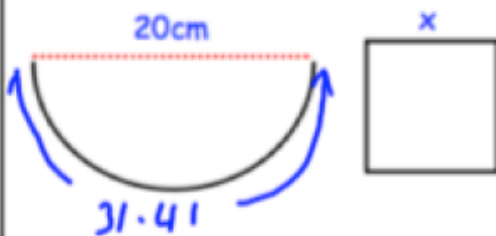
Mark wants to draw a pie chart

Fish	Frequency
Perch	10
Bream	23
Carp	39

72

Calculate the size of each angle

$$360 \div 72 = 5$$



$$\begin{aligned} 20 \times \pi &= 62.83 \dots \\ 62.83 \dots \div 2 &= 31.41 \dots \text{cm} \\ \text{whole perimeter of square} &= 31.41 \dots \text{cm} \\ 31.41 \dots \div 4 &= 7.9 \text{cm} \end{aligned}$$

March 6th	5-a-day	Higher
Factorise $x^2 - 4$	$(x + 2)(x - 2)$	
Solve $5 + \frac{1}{4}y = 7$	$\frac{1}{4}y = 2$ $y = 8$	
The probability that Sue passes her Maths exam is 0.6 and the probability that she passes her Art exam is 0.8 Calculate the probability she passes only one exam $0.12 + 0.32 = 0.44$	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Maths</p> <p>0.6 P</p> <p>0.4 F</p> </div> <div style="text-align: center;"> <p>Art</p> <p>0.8 P</p> <p>0.2 F</p> </div> <div style="text-align: center;"> <p>PF = 0.6 x 0.2 = 0.12</p> <p>FP = 0.4 x 0.8 = 0.32</p> </div> </div>	
Evaluate $16^{1.5} \times 2^{-4}$	$16^{\frac{3}{2}} \times 2^{-4}$ $(\sqrt{16})^3 \times \frac{1}{2^4}$ $4^3 \times \frac{1}{16} = 64 \times \frac{1}{16} = 4$	
Find the size of x $x - 10 + x + 90 = 180$ $2x - 10 = 90$ $2x = 100$ $x = 50$	