

April 7th

5-a-day

Numeracy

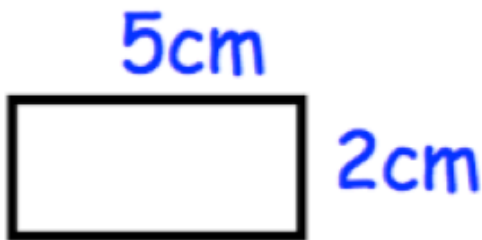


What fraction of this shape is shaded?

$$\frac{7}{10}$$

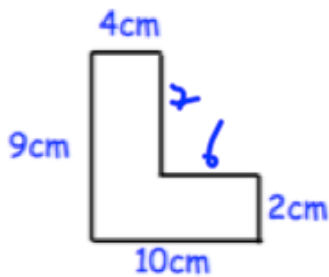
What percentage is not shaded?

$$30\%$$



Calculate the perimeter

$$14\text{cm}$$



Calculate the perimeter

$$38\text{cm}$$

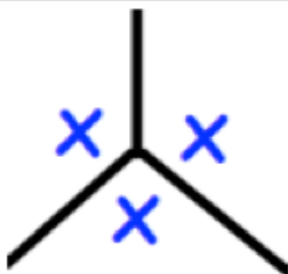


How many lines of symmetry?

0

Order of rotational symmetry?

2



Find x

$$360 \div 3 = 120^\circ$$

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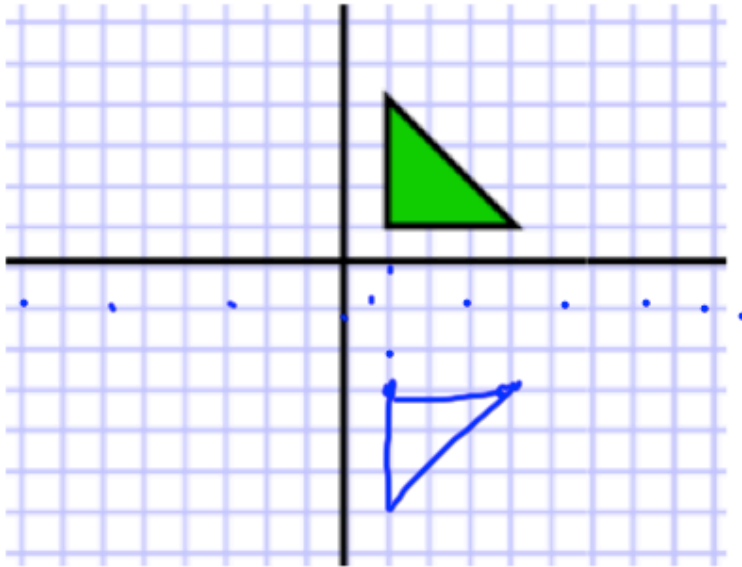
Foundation

Round 6.32 to 1 decimal place

6.3

Round 3.184 to 1 decimal place

3.2



Reflect the triangle in the line, $y = -1$

| Type of food | Number of people |
|--------------|------------------|
| Chinese | 15 |
| Indian | 21 |
| Greek | 13 |
| French | 16 |
| Thai | 7 |

75°
105°
65°
80°
35°

How many people were surveyed?

72

Greg wants to draw a pie chart.

Calculate the size of each angle

$$360 \div 72 = 5$$

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Higher

Factorise $y^2 - 100$

$$(y - 10)(y + 10)$$

The probability a passing a driving test is 0.6

Two friends take the driving test.

What is the probability only one of the friends pass?

$$0.6 \times 0.4 = 0.24$$

$$0.4 \times 0.6 = 0.24$$

$$0.48$$

Solve $(x + 1)(x - 2) = 40$

$$x^2 - x - 2 = 40$$

$$x^2 - x - 42 = 0$$

$$(x - 7)(x + 6) = 0$$

$$x = 7$$

$$\text{or } x = -6$$

Solve

$$5x + 3y = 13$$

$$3x + 5y = 3$$

$$\begin{array}{r} 25x + 15y = 65 \\ 9x + 15y = 9 \\ \hline \end{array}$$

$$16x = 56$$

$$x = 3.5$$

$$10.5 + 5y = 3$$

$$5y = -7.5$$

$$y = -1.5$$



10cm

3cm

Calculate the volume of the cone.

$$\frac{1}{3} \times \pi \times 3^2 \times 10$$

$$= 94.248 \text{ cm}^3$$