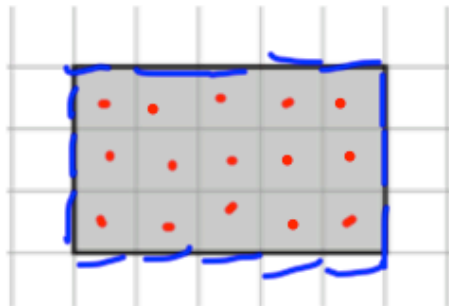


What fraction of this shape is shaded? Give your answer in it's simplest form.

$$\frac{8}{10} = \frac{4}{5}$$



Work out the area

$$15 \text{ cm}^2$$

Work out the perimeter

$$16 \text{ cm}$$

Apples cost £2.00 per kg
Oranges cost 28p each
Tomatoes cost £2.50 per kg

Dara buys:

0.5 kg of apples

£1

2 oranges

56p

2 kg of tomatoes

£5

Work out the total cost

$$£6.56$$

$$p = 4$$

$$a = 5$$

Work out the value of $3a + 4p$

$$3 \times 4 + 4 \times 5$$

$$12 + 20$$

$$32$$

$$\text{Solve } 3w = 24$$

$$w = 8$$

$$\text{Solve } 4w + 6 = 38$$

$$4w = 32$$

$$w = 8$$

March 28th

5-a-day

Foundation

Calculate

$$\frac{2}{5} \div \frac{9}{10}$$

$$\frac{2}{5} \times \frac{10}{9} =$$

$$\frac{20}{45} = \frac{4}{9}$$

Solve

$$10x + 11 = 23$$

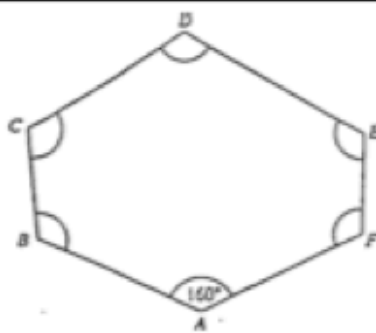
$$10x = 12$$
$$x = 1.2$$

Solve $3x + 17 = 21 - 5x$

$$8x + 17 = 21$$

$$8x = 4$$

$$x = 0.5$$



$$720^\circ$$
$$-160$$

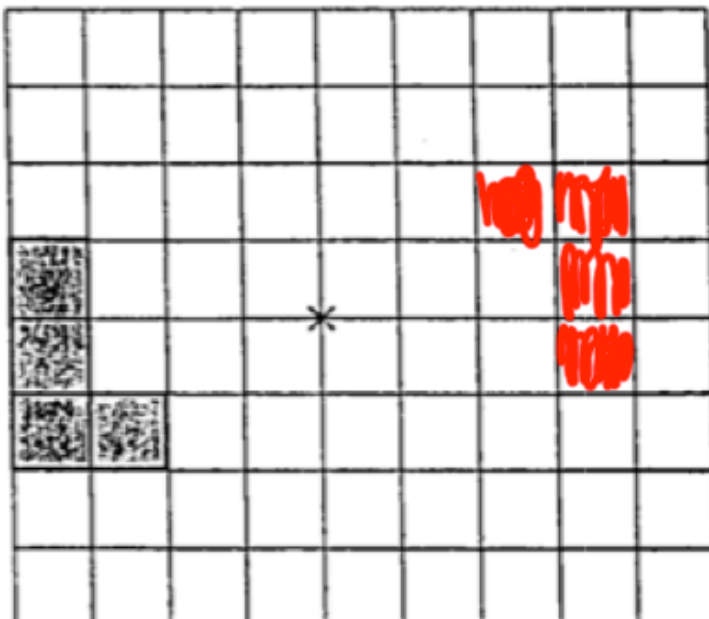
$$560^\circ$$

Angle BAF is 160 degrees and all other angles are equal.

What size are they?

$$560 \div 5 = 112^\circ$$

Rotate the shape 180 degrees about the point x



March 28th

5-a-day

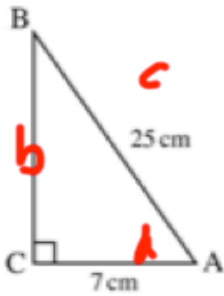
Higher

Write 0.0000434 in standard form

$$4.34 \times 10^{-5}$$

Write 9800000 in standard form

$$9.8 \times 10^6$$



Calculate the length of BC

$$\begin{aligned} a^2 + b^2 &= c^2 \\ 7^2 + b^2 &= 25^2 \\ 49 + b^2 &= 625 \\ b^2 &= 576 \\ b &= 24 \text{ cm} \end{aligned}$$

Factorise fully

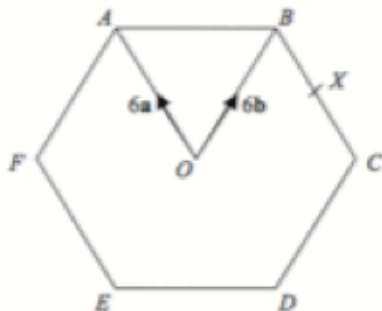
$$3x^2 - 48$$

$$\begin{aligned} &3(x^2 - 16) \\ &3(x - 4)(x + 4) \end{aligned}$$

Height h (metres)	Frequency
$0 < h \leq 2$	12
$2 < h \leq 4$	8
$4 < h \leq 6$	12
$6 < h \leq 8$	10

Two trees are selected at random. What is the probability they are both under two metres?

$$\frac{12}{42} \times \frac{11}{41} = \frac{22}{287}$$



Find vector \underline{AB}

$$-\underline{6a} + \underline{6b}$$