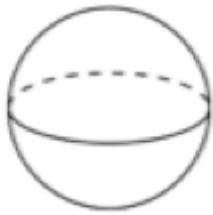


April 21st

5-a-day

Numeracy

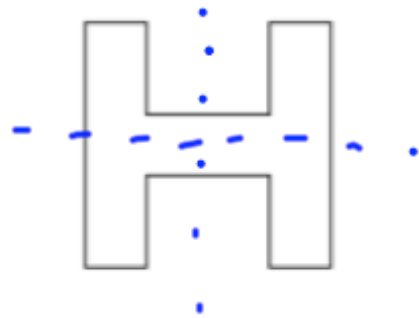


Name this solid Sphere



Name this solid Cone

Draw all the lines of symmetry on the letter H.



Maddie's salary is £16,000 and he is due to get an increase of 5%.

How much will this increase be?

£800

To feed 30 people Mary makes

- 20 beef sandwiches
- 32 cheese sandwiches
- 50 ham sandwiches

How many of each would he need to make for 45 people?

30
48
75

Write 8.45 correct to 1 decimal place.

8.5

Round 2983 to the nearest 10.

2980

What is the reciprocal of

$$2\frac{7}{8}$$

$$\frac{23}{8} \rightarrow \frac{8}{23}$$

Expand

$$c(2c + s)$$

$$2c^2 + cs$$

Expand

$$3m(2m - 5s)$$

$$6m^2 - 15ms$$

Write 300 as a product of primes

$$2 \times 2 \times 3 \times 5 \times 5$$

$$2^2 \times 3 \times 5^2$$

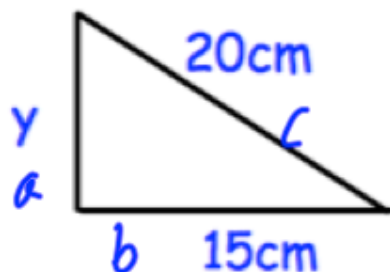


What is the actual distance between the house and the church?

$$1\text{cm} = 200\text{m}$$

your measurement

$$\text{e.g } 4 \times 200 = 800\text{m}$$



Find y

$$\begin{aligned} a^2 + b^2 &= c^2 \\ y^2 + 15^2 &= 20^2 \\ y^2 + 225 &= 400 \\ -225 &\quad -225 \\ y^2 &= 175 \end{aligned}$$

$$y = \sqrt{175} = 13.23\text{cm}$$

April 21

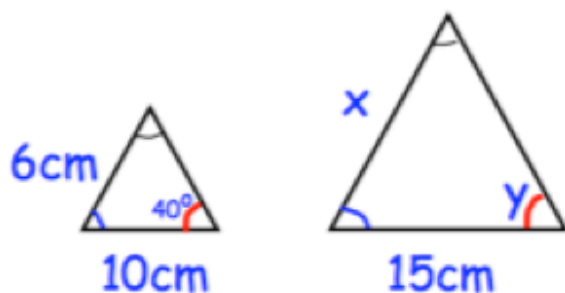
5-a-day

Higher

What is the sum of the interior angles of a 20-sided polygon?

$$(n-2) \times 180$$

$$(20-2) \times 180 = 3240^\circ$$



Work out side length, x

$$9\text{cm}$$

Work out angle y

$$40^\circ$$

Solve $2(x+5) = 7 - 4x$

$$2x + 10 = 7 - 4x$$

$$6x + 10 = 7$$

$$6x = -3$$

$$x = -0.5$$

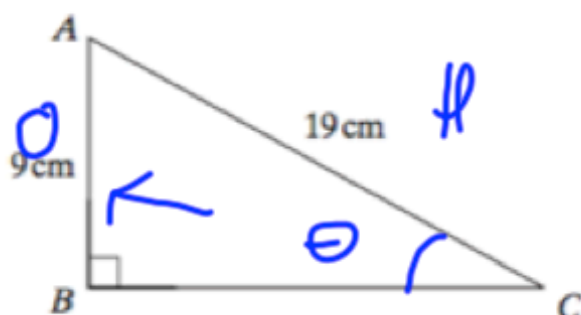
Write down the Sine Rule

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

or $\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$

Write down the Cosine Rule

$$a^2 = b^2 + c^2 - 2bc \cos A$$



Find the size of angle BCA.

$$\sin \theta = \frac{9}{19}$$

$$\sin^{-1} \frac{9}{19} = 28.3^\circ$$