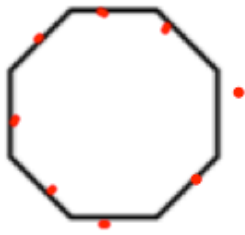


May 24th

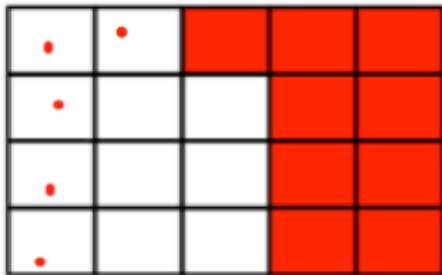
5-a-day

Numeracy



Name this shape

Octagon



What fraction of the shape is shaded?

$\frac{9}{20}$

4 6 7 10 13 17 21 23 25

From the list write down the prime numbers

7 13 17 23

From the list write down the square numbers

4 25

Four rulers cost £3.60, what would seven rulers cost?

1 ruler - 90p
7 rulers £6.30

Increase \$6 by 5%

10% = 0.6
5% = 0.3
\$16.30

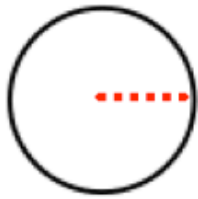
Decrease 90kg by 20%

10% = 9
20% = 18
72kg

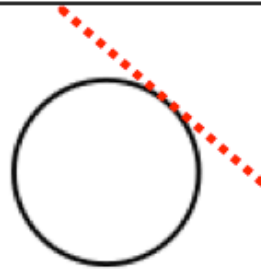
May 24th

5-a-day

Foundation



Draw a radius



Draw a tangent

Michael cycles at an average speed of 20mph.

How far does he cycle in 30 minutes?

$$20 \times 0.5 = 10 \text{ miles}$$

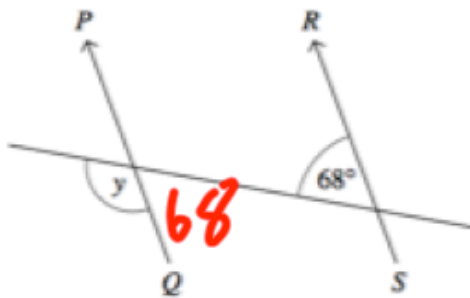
How far does he cycle in 2 hours 15 minutes?

$$20 \times 2.25 = 45 \text{ miles}$$

A circular lawn has radius 3.5m

Calculate the circumference of the lawn.

$$\pi \times 7 = 21.99 \text{ m}$$



Work out the size of y

$$112^\circ$$

Write 60 as a product of primes.

Give your answer in index form

$$\begin{array}{r} 60 \\ / \quad \backslash \\ 6 \quad 10 \\ / \quad \backslash \quad / \quad \backslash \\ 2 \quad 3 \quad 2 \quad 5 \end{array} \quad 2 \times 2 \times 3 \times 5 = 2^2 \times 3 \times 5$$

May 24	5-a-day	Higher
<p>Vince weighed 60kg last year. He now weighs 78kg.</p> <p>Calculate the percentage increase in his weight.</p>	$\frac{18}{60} \times 100$ 30%	
<p>Will invests \$500 for two years, at 3% interest per annum.</p> <p>Calculate the increase earned.</p>	500×1.03^2 $= 530.45$ 30.45	
$64^{-\frac{5}{6}}$ <p>Work out the value and give your answer as a fraction.</p>	$\frac{1}{32}$	
<p>Write</p> <p>0.052525252.... as a fraction</p>	$\frac{26}{495} \qquad \frac{52}{990}$	
<p>Expand and simplify</p> $(\sqrt{3} + \sqrt{5})(\sqrt{3} + \sqrt{2})$	$3 + \sqrt{6} + \sqrt{15} + \sqrt{10}$	