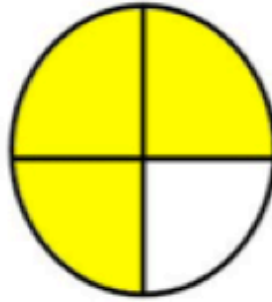
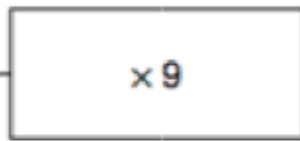


What fraction of the shape is shaded?

$\frac{3}{4}$



Input



Output



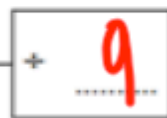
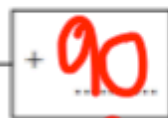
Input



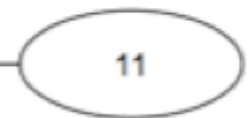
Output



Input



Output



13
24

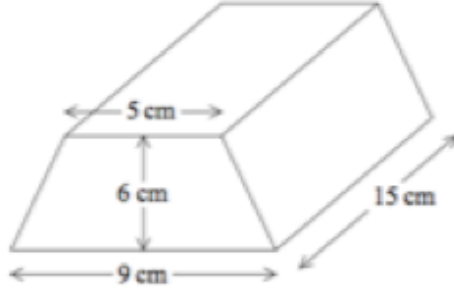
2
3 etc.

..15 30 60 120 240 480

Fill in the missing numbers

140 70 35 ..17.5

Find the missing number

February 24th	5-a-day	Foundation
<p>In a sale, all prices are reduced by 15%.</p> <p>If the normal price of a TV is £240, work out the sale price.</p>		$10\% = £24$ $5\% = \frac{£12}{2}$ $£36$ $£204$
<p>Solve the inequality $2x - 3 < 5$</p>	$2x < 8$ $x < 4$	
<p>Make W the subject</p> $h = \sqrt{\frac{W}{I}}$	$W = Ih^2$	$h^2 = \frac{W}{I}$
	<p>Calculate the area of the trapezium at the front of this prism</p>	$\frac{1}{2}(5+9) \times 6$ $\frac{1}{2}(14) \times 6 = 42 \text{ cm}^2$
42×15 630 cm^3	<p>Calculate the volume of the prism</p>	

February 24th	5-a-day	Higher
<p>Factorise</p> <p>$y^2 - 25$</p> <p>$(y-5)(y+5)$</p>	<p>Factorise</p> <p>$y^2 + 2y - 24$</p> <p>$(y+6)(y-4)$</p>	
<p>Work out</p> <p>$(4 \times 10^3) \times (2 \times 10^8)$</p> <p>Give answer in standard form</p> <p>8×10^{11}</p>	<p>Work out</p> <p>$(6 \times 10^3) \times (3 \times 10^8)$</p> <p>Give answer in standard form</p> <p>18×10^{11} 1.8×10^{12}</p>	
<p>Find the HCF of 54 and 135</p> <p> $\begin{matrix} \textcircled{1} \wedge 27 \\ \textcircled{3} \wedge 9 \\ \textcircled{3} \end{matrix}$ $\begin{matrix} \textcircled{5} \wedge 27 \\ \textcircled{3} \wedge 9 \\ \textcircled{3} \end{matrix}$ </p>	<p> $54 = 2 \times 3 \times 3 \times 3$ $135 = 3 \times 3 \times 3 \times 5$ </p> <p> $\begin{matrix} 54 & & 135 \\ \textcircled{2} & \textcircled{3} & \textcircled{3} \\ & \textcircled{3} & \textcircled{3} \\ & & \textcircled{3} \end{matrix}$ </p> <p>27</p>	<p>27</p>
<p>C is directly proportional to the square root of W.</p> <p>$C \propto \sqrt{W}$ $C = k\sqrt{W}$ $12 = k\sqrt{16}$ $k = 3$</p> <p>When $C = 12$ and $P = 16$</p> <p>$C = 3\sqrt{W}$</p>	<p>Express $C = 12$ and $P = 16$</p> <p>$C = 3\sqrt{W}$</p>	
<p>Sketch $y = \cos x$</p>		