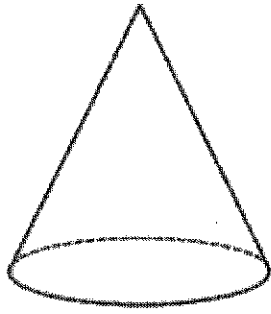
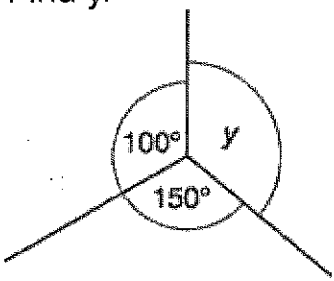
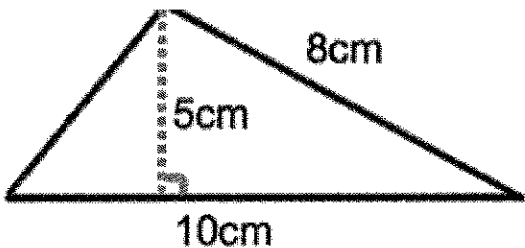


Name: _____

November 12th	5-a-day	Numeracy
<p>What is the mathematical name of this solid?</p> <p style="text-align: center;"><i>Cone</i></p>		
<p>Simplify</p> <p>$a + a + a$</p> <p style="text-align: center;"><i>3a</i></p>	<p>Simplify</p> <p>$a \times a \times a$</p> <p style="text-align: center;"><i>a³</i></p>	
<p>Find y.</p> 	<p style="text-align: center;"><i>110°</i></p>	
	<p>Find the area of the triangle.</p> <p style="text-align: center;"><i>25cm²</i></p>	
<p>Nick works out the mean of three numbers.</p> <p>The mean is 6.</p> <p>Write down three numbers with a mean of 6.</p>	<p><i>6 6 6</i></p> <p>or <i>5 6 7</i></p> <p>or <i>4 6 8</i></p> <p>or <i>0 6 12 etc</i></p>	

Name: _____

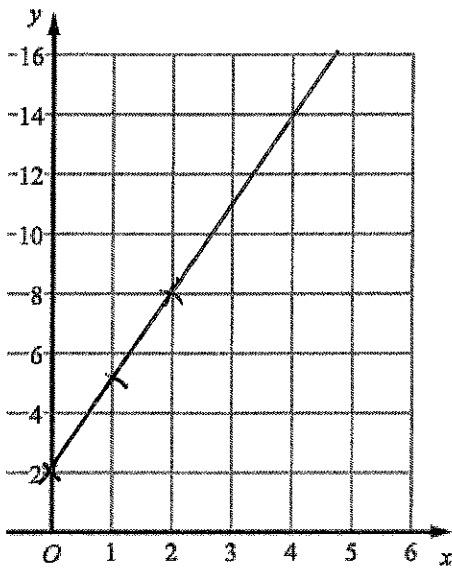
November 12

5-a-day

Foundation

Number	1	2	3	4	5
Probability	0.2	0.25	0.3	0.05	0.2

A spinner has 5 sections labelled 1, 2, 3, 4 and 5.
Work out the missing probability



Draw the $y = 3x + 2$

x	0	1	2
y	2	5	8

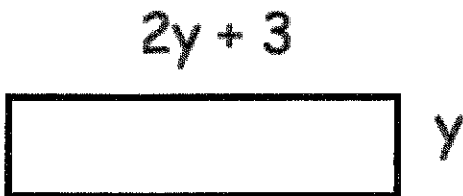
What is the gradient of the line you have drawn?

3

Find the highest common factor of 40 and 16.

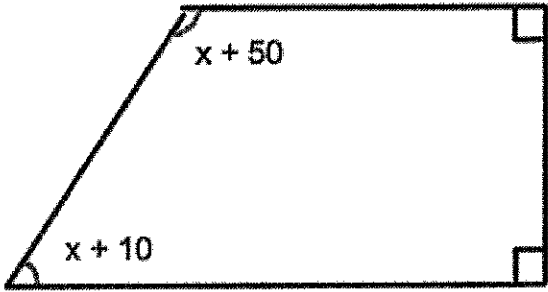
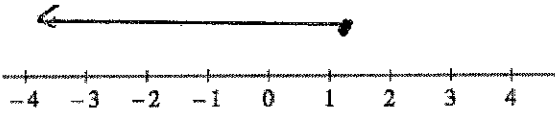
8

Find an expression for the area of the rectangle.



$$2y^2 + 3y$$

Name: _____

November 12	5-a-day	Higher
	<p>Find x</p> $2x + 240 = 360$ $2x = 120$ $x = 60^\circ$	
<p>Solve $5x + 1 \leq 6.5$</p> $5x \leq 5.5$ $x \leq 1.1$	<p>Represent the answer on the number line</p> 	
<p>Simplify</p> $\frac{3x + 1}{4} + \frac{2x - 1}{3}$	$\frac{9x + 3}{12} + \frac{8x - 4}{12}$ $\frac{17x - 1}{12}$	
<p>Solve</p> $4x^2 + 4x - 3 = 0$ $(2x - 1)(2x + 3) = 0$	$2x - 1 = 0$ $2x = 1$ $x = \frac{1}{2}$ $2x + 3 = 0$ $2x = -3$ $x = -\frac{3}{2}$	
$\sqrt[3]{w^2} = w^?$ $w^{\frac{2}{3}}$	$8^{-\frac{2}{3}}$ $\frac{1}{4}$	