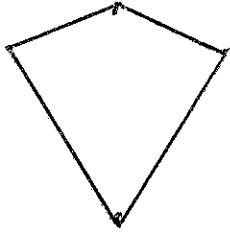


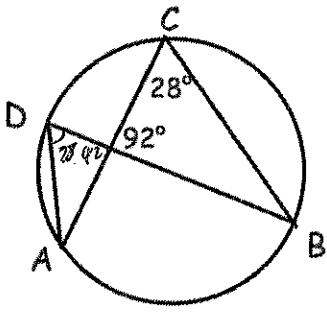
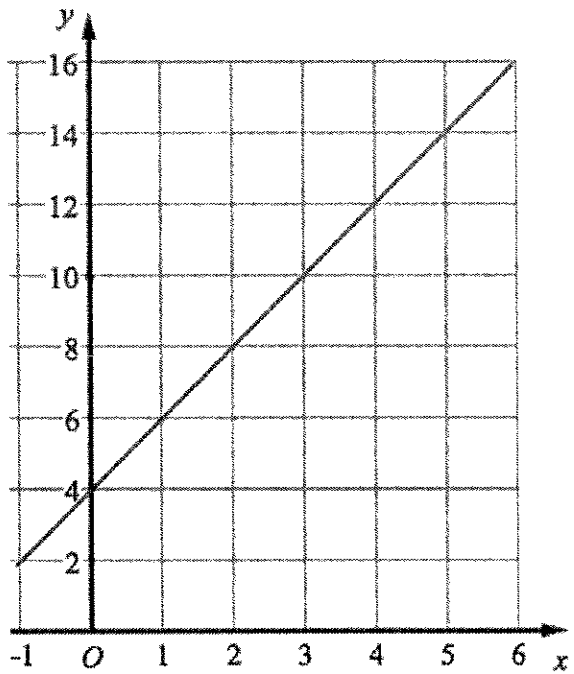
Name: _____

November 21st	5-a-day	Numeracy
<p>Draw a shape with one line of symmetry</p> 		
$\begin{array}{r} 3 \boxed{5} 4 \\ + 2 \boxed{8} 6 \\ \hline \boxed{6} 4 \boxed{0} \end{array}$		
<p>In a class of 30 students, 12 are male.</p> <p>What fraction of the class are male?</p> $\frac{12}{30} = \frac{2}{5}$	<p>What fraction of the class are female?</p> $\frac{18}{30} = \frac{3}{5}$	
<p>How many seconds are in 12 minutes?</p> $12 \times 60 = 720$	<p>How many seconds are in 24 minutes?</p> 1440	
<p>The population of a country is 9 million.</p> <p>Write 9 million in figures.</p>		$9,000,000$

Name: _____

November 21	5-a-day	Foundation
<p>Estimate</p> $\underline{2.98 \times 501.8}$ 0.30123	$\approx \frac{3 \times 500}{0.3} = \frac{1500}{0.3}$ $\frac{15000}{3} = 5000$	
<p>Solve</p> $13 = 5y + 3$ $10 = 5y$ $y = 2$	<p>Solve</p> $13y + 1 = 3y + 29$ $10y + 1 = 29$ $10y = 28$ $y = 2.8$	
<p>Reflect triangle A with the mirror line as the y-axis.</p> <p>Label the image B</p>	<p>Enlarge triangle A by scale factor $\frac{1}{2}$ with centre of enlargement $(-2, 2)$</p> <p>Label the image C</p>	

Name: _____

November 21	5-a-day	Higher
	<p>Find the size of angle ADB</p> <p style="text-align: center;">28°</p> <p>Find the size of angle CAD.</p> <p style="text-align: center;">$92 + 28 = 120^\circ$</p> <p style="text-align: center;">$180 - 120 = \underline{\underline{60^\circ}}$</p>	
<p>In a sale, normal prices are reduced by 15%.</p> <p>The sale price of a DVD player is £136</p> <p>Work out the normal price of the DVD player.</p>	<p style="text-align: center;">$85\% = \cancel{£}136$</p> <p style="text-align: center;">$1\% = 1.6$</p> <p style="text-align: center;">$100\% = \underline{\underline{\cancel{£}160}}$</p>	
<p>The probability of a team winning a match is 0.8.</p> <p>The team plays three matches.</p> <p>What is the probability the team wins all three matches?</p>	<p style="text-align: center;">$0.8 \times 0.8 \times 0.8$</p> <p style="text-align: center;">$= \underline{\underline{0.512}}$</p>	
	<p>Write down the equation of the line shown.</p> <p style="text-align: center;">$y = 2x + 4$</p>	
<p>A line is perpendicular to the line shown and passes through (0, 10).</p> <p>Find its equation.</p> <p style="text-align: center;">$y = -\frac{1}{2}x + 10$</p>		