

MATHS PASSPORT



PASSPORT ONE




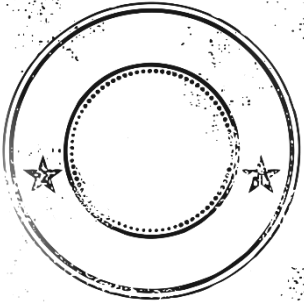


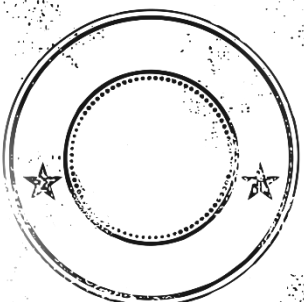


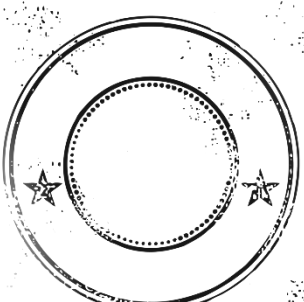


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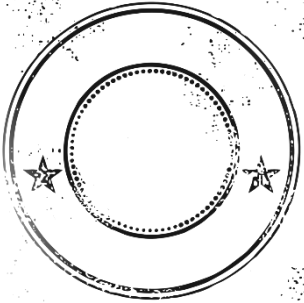
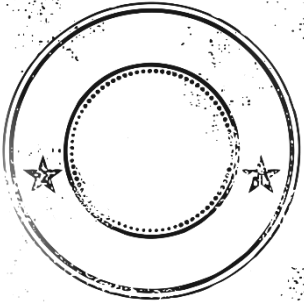


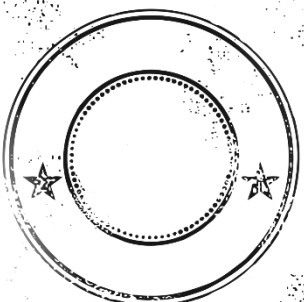
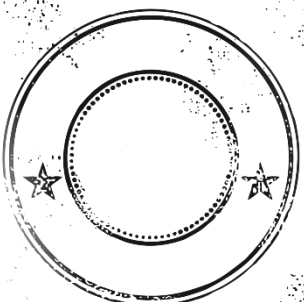


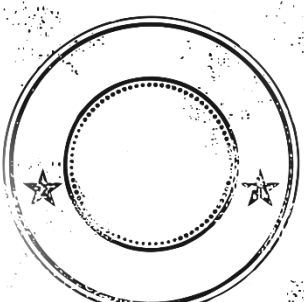
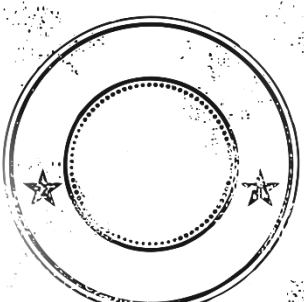
Contents

TOPICS	SCORE	TOPICS	SCORE
1) Ordering Decimals		13) Substitution	
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7) Shading Fractions		19) Volume	
8) Fractions, Decimals & Percentages		20) Measuring Angles	
9) Reading Scales		21) Angles on a Straight Line	
10) Collecting Like Terms		22) Bar Charts	
11) Expanding Brackets		23) Averages and Range	
12) Solving One Step Equations		24) Pictograms	

NUMBER




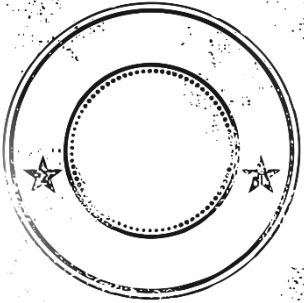
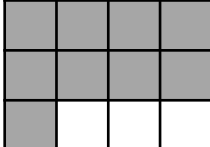
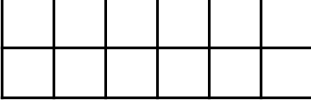


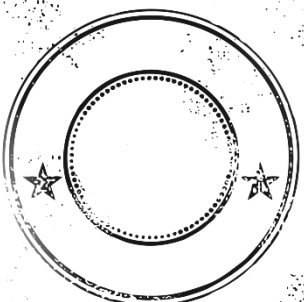


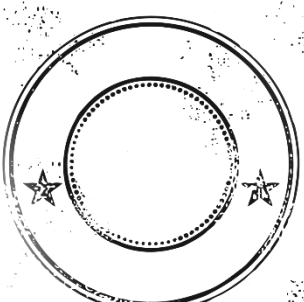
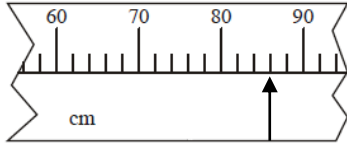
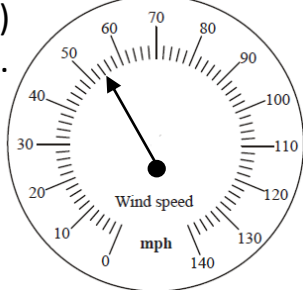
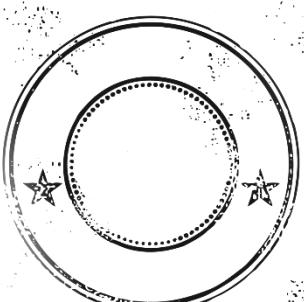
TOPIC	VIDEO	PRACTISE	
<p style="text-align: center;">Ordering Decimals</p>	<p style="text-align: center;">  goo.gl/jbs1rw </p>	<p style="text-align: center;">  goo.gl/3r7V5F </p>	
<p><u>Exam Question</u> Write these numbers in order of size, starting with the smallest.</p> <p style="text-align: center;">0.45 4.5 0.045 0.405 4.05</p>			
<p style="text-align: center;">Rounding</p>	<p style="text-align: center;">  goo.gl/7pXIFj </p>	<p style="text-align: center;">  goo.gl/imjS83 </p>	
<p><u>Exam Question</u></p> <ol style="list-style-type: none"> 1) Round 7462 to the nearest 1000. 2) Round 7.462 to one decimal place. 3) Round 725.046 to the nearest 10. 			
<p style="text-align: center;">Order of Operations</p>	<p style="text-align: center;">  goo.gl/UDA75F </p>	<p style="text-align: center;">  goo.gl/MlyLJL </p>	
<p><u>Exam Question</u></p> <ol style="list-style-type: none"> 1) Work out $6 + 2 \times 3$. 2) Work out $(4 + 3) \times 2 + 4$ 			

NUMBER




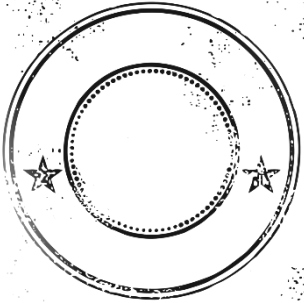
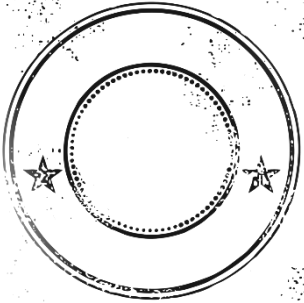


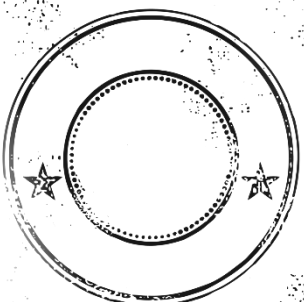
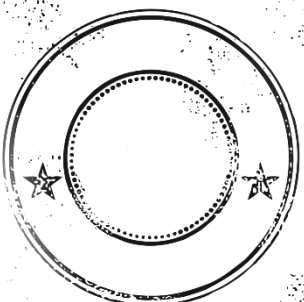


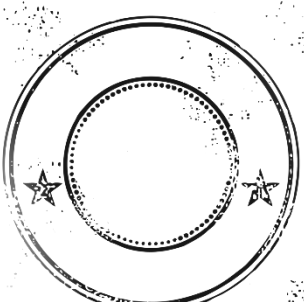
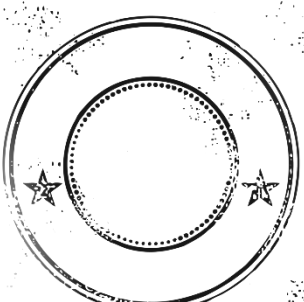
TOPIC	VIDEO	PRACTISE	
<p style="text-align: center;">Money Problems</p>	<div style="text-align: center;">  goo.gl/GsOQ5H </div>	<div style="text-align: center;">  goo.gl/E8HqAY </div>	
<p><u>Exam Question</u></p> <p>Each coloured pencil costs 28p. Neill has £2. Neill buys as many different colours as possible. Work out the amount of change Neill will get from £2.</p>			
<p style="text-align: center;">Addition and Subtraction</p>	<div style="text-align: center;">  goo.gl/bGqb8L </div>	<div style="text-align: center;">  goo.gl/s4kK8R </div>	
<p><u>Exam Question</u></p> <p>There are 417 people on a virgin train to London. At Darlington 12 people get off and 49 people get on. How many people are now on the train?</p>			
<p style="text-align: center;">Multiplication and Division</p>	<div style="text-align: center;">  goo.gl/bGqb8L </div>	<div style="text-align: center;">  goo.gl/3Wff87 </div>	
<p><u>Exam Question</u></p> <ol style="list-style-type: none"> 1) Work out 837×24. 2) Julie paid £1.28 for 4 chocolate bars. Work out the cost of 3 of these chocolate bars. 			






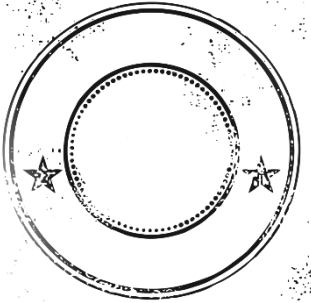
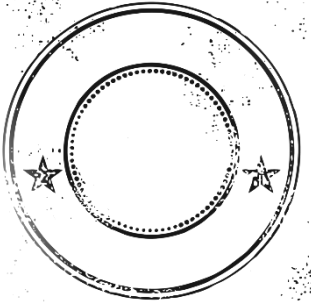


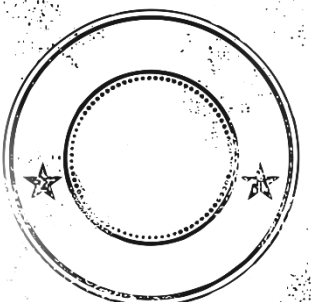
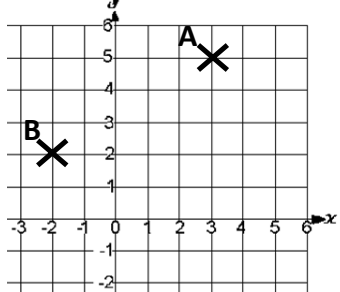
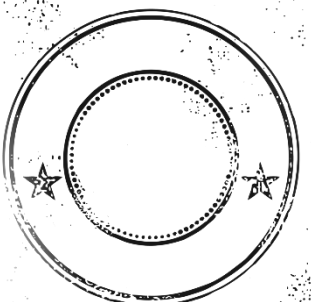


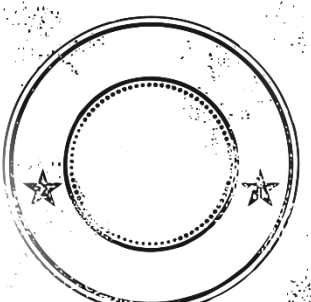
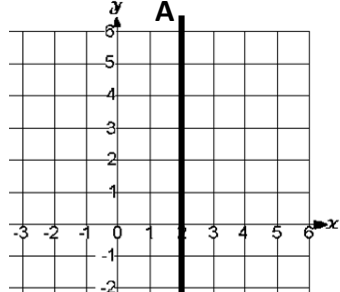
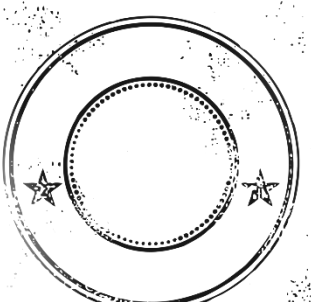
NUMBER

TOPIC	VIDEO	PRACTISE	
<h2 style="margin: 0;">Shading Fractions</h2>	 goo.gl/T8lcBc	 goo.gl/lfCK2c	
<p>Exam Question</p> <p>1) What fraction of the shape is shaded? Write your fraction in its simplest form.</p> <div style="text-align: right;">  </div> <p>2) Shade $\frac{2}{3}$ of this shape.</p> <div style="text-align: right;">  </div>			
<h2 style="margin: 0;">Fractions Decimals and Percentages</h2>	 goo.gl/tavgXV	 goo.gl/jT30JT	
<p>Exam Question</p> <p>1) Write $\frac{1}{4}$ as a percentage.</p> <p>2) Write 0.17 as a percentage.</p> <p>3) Express 35% as a fraction. Give your answer in it's simplest form.</p>			
<h2 style="margin: 0;">Reading Scales</h2>	 goo.gl/k8zfKG	 goo.gl/k3rbWF	
<p>Exam Question</p> <p>Give the value of the arrows in the pictures.</p> <p>1)</p> <div style="display: flex; align-items: center;">  </div> <p>2)</p> <div style="display: flex; align-items: center;">  </div>			




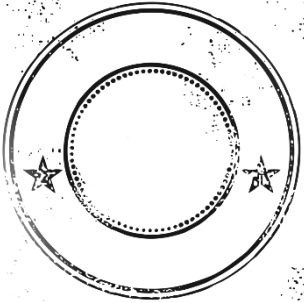

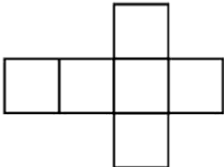
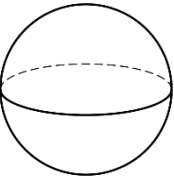


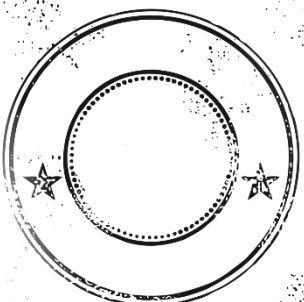
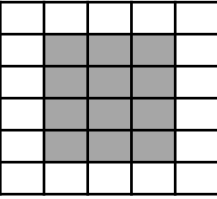
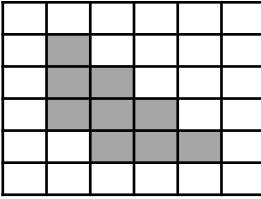


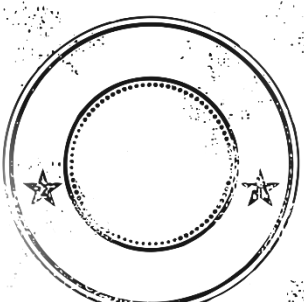
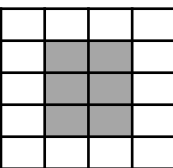
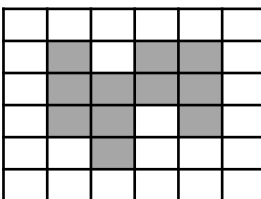
Algebra

TOPIC	VIDEO	PRACTISE	
<p>Collecting Like Terms</p>	 goo.gl/WPz2AW	 goo.gl/rLNgA7	
<p><u>Exam Question</u></p> <p>1) Simplify $a + a + a - a + a + a$</p> <p>2) Simplify $3x + 2y + 5x - 4y$</p> <p>3) Simplify $3x \times 2x$</p>			
<p>Expanding Brackets</p>	 goo.gl/YpJzHG	 goo.gl/S16AK9	
<p><u>Exam Question</u></p> <p>1) Expand $3(x + 4)$</p> <p>2) Expand $2(3x - 5)$</p> <p>3) Expand $x(x + 2)$</p>			
<p>Solving One Step Equations</p>	 goo.gl/IMchbr	 goo.gl/XZGmT5	
<p><u>Exam Question</u></p> <p>1) Solve $x + 5 = 12$</p> <p>2) $\frac{x}{3} = 7$</p> <p>3) $2x = 9$</p>			




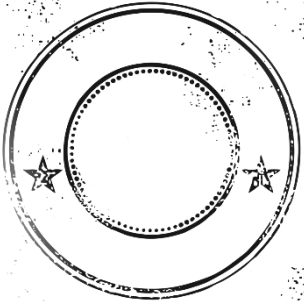
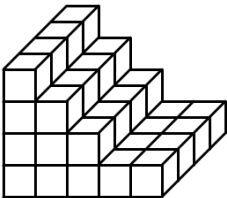
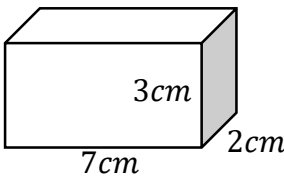
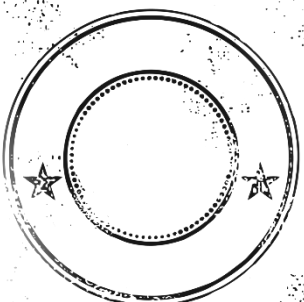



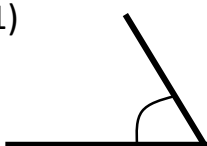
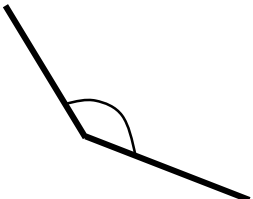
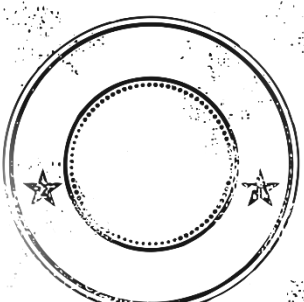



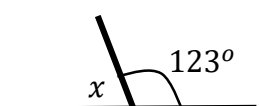
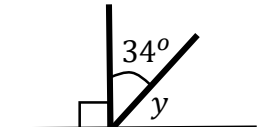

Algebra

TOPIC	VIDEO	PRACTISE	
Substitution	 goo.gl/1Oi1Ui	 goo.gl/EXKtEY	
<p>Exam Question</p> <p>1) $D = 3b$ $b = 7$ work out the value of D.</p> <p>2) $p = 2$ and $r = 6$ Work out the value of Q, when $Q = 5p + 2r$</p>			
Coordinates	 goo.gl/mrXb3m	 goo.gl/UfGc90	
<p>Exam Question</p> <p>1) Write the coordinates of point A.</p> <p>2) Write the coordinates of point B.</p> <p>3) On the grid plot the point C (4,0).</p>			
Rules of a Line	 goo.gl/nCehW7	 goo.gl/d9q1nc	
<p>Exam Question</p> <p>1) What is the rule of line A?</p> <p>2) Draw the line $y = 3$ on the grid and label B.</p> <p>3) At what point do the two lines intersect?</p>			




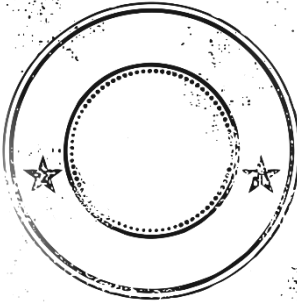
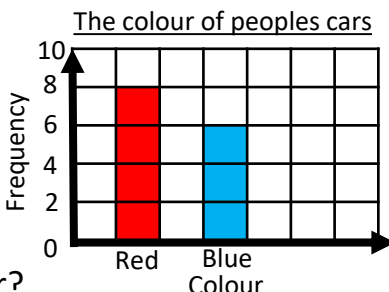
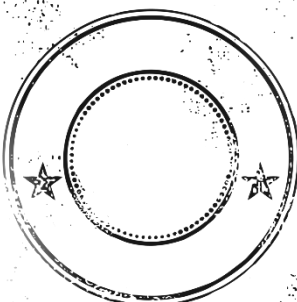


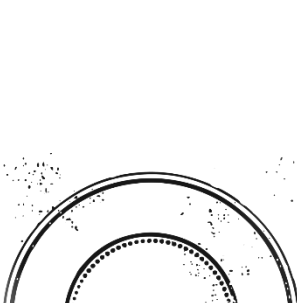



Shapes and Measures

TOPIC	VIDEO	PRACTISE	
Identifying 3D and 2D shapes	 goo.gl/6psDB3	 goo.gl/rMfxS7	
<p>Exam Question Write down the mathematical name for each shape.</p> <p>1)  2)  3) </p>			
Perimeter	 goo.gl/ZW8NrW	 goo.gl/exj3g0	
<p>Exam Question Shapes are on the centimetre grids below. Work out the perimeter of the shapes.</p> <p>1)  2) </p>			
Area	 goo.gl/liR1tz	 goo.gl/exj3g0	
<p>Exam Question Shapes are on the centimetre grids below. Work out the perimeter of the shapes.</p> <p>1)  2) </p>			

Shapes and Measures

TOPIC	VIDEO	PRACTISE	
<p>Volume</p>	 goo.gl/ZLDpVQ	 goo.gl/BvX2RM	
<p>Exam Question Find the volume in centimetres of the shapes below.</p> <p>1) </p> <p>2) </p>			
<p>Measuring Angles</p>	 goo.gl/IT3QCi	 goo.gl/Chs9Nc	
<p>Exam Question Measure the size of the angles.</p> <p>1) </p> <p>2) </p>			
<p>Angles on a Straight Line</p>	 goo.gl/WibxvB	 goo.gl/L76rc4	
<p>Exam Question Calculate the missing angles.</p> <p>1) </p> <p>2) </p>			

Statistics

TOPIC	VIDEO	PRACTISE							
<h2 style="margin: 0;">Bar Charts</h2>	 goo.gl/Khz0Zs	 goo.gl/4WpGRU							
<p>Exam Question</p> <p>1) 7 people have silver cars. Represent this information on the bar chart.</p> <p>2) How many people were asked about the colour of their car?</p> <p>3) What is the most popular colour?</p>		<p style="margin: 0;">The colour of peoples cars</p> 							
<h2 style="margin: 0;">Averages and Range</h2>	 goo.gl/z5Cj1A	 goo.gl/Ptda2Q							
<p>Exam Question</p> <p style="text-align: center;">5 8 6 4 5 8 7 5 6</p> <p>1) Calculate the mean of the list of numbers.</p> <p>2) Find the median of the list of numbers.</p> <p>3) Find the mode of the list of numbers.</p> <p>4) Find the range of the list of numbers.</p>									
<h2 style="margin: 0;">Pictograms</h2>	 goo.gl/6gMxB8	 goo.gl/f82bJy							
<p>Exam Question</p> <p>The pictogram shows he number of text messages sent by individuals.</p> <p>1) How many texts does Ethan send?</p> <p>2) Jodie sends 12 texts represent this on the pictogram.</p>		<p style="margin: 0;">Key = 8 texts</p> <table style="margin: 5px auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">Ben</td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">Ethan</td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">Jodie</td> <td style="padding: 5px;"></td> </tr> </table>	Ben	 	Ethan	 	Jodie		
Ben	 								
Ethan	 								
Jodie									

GCSE Revision

Available	Tier	Grades
Passport One	Foundation	1-4
Passport Two	Foundation	3-4
Passport Three	Foundation/ Higher	4-5
Passport Four	Higher	5-6
Passport Five	Higher	7-9

Exam Tips

1) Highlight key words and measurements in the exam questions with a yellow highlighter.

E.g. 3 significant figures.



2) Show all of your working out. Whatever you type into your calculator should be written down as well.

3) Make sure your working out is clear by using sub headings if necessary.

4) Remember your units of measure on answers to the question.

5) Remember you can sometimes break a task into separate parts by using the sentences.

6) Make sure you know how to reset your calculator and check it is in degrees mode.

