

# MATHS PASSPORT



## PASSPORT ONE




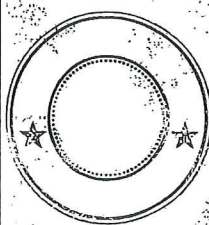


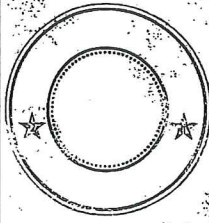


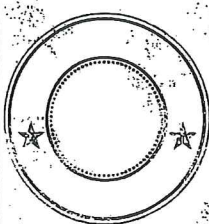


FOUNDATION  
[www.missbsresources.com](http://www.missbsresources.com)




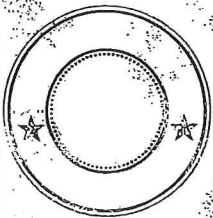

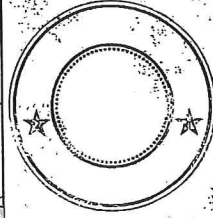


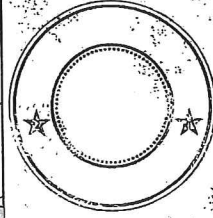

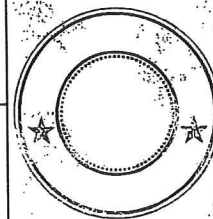


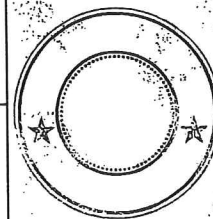
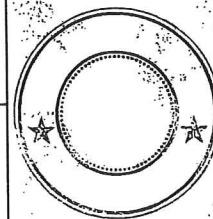
# Contents

TOPICS	SCORE	TOPICS	SCORE
1) Ordering Decimals		13) Substitution	
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11) Expanding Brackets		23) Averages and Range	
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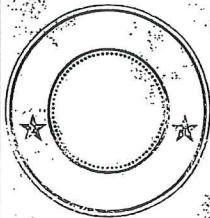
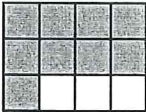
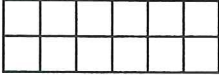
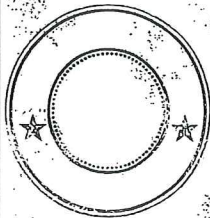


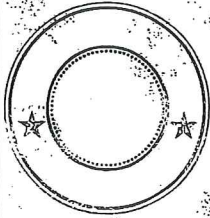


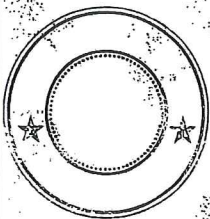
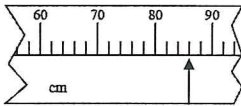
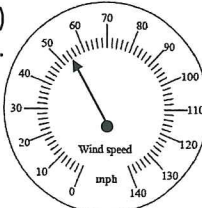
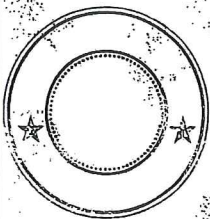
## NUMBER

TOPIC	VIDEO	PRACTISE	
Ordering Decimals	 <a href="https://goo.gl/jbs1rw">goo.gl/jbs1rw</a>	 <a href="https://goo.gl/3r7V5F">goo.gl/3r7V5F</a>	
<b>Exam Question</b> Write these numbers in order of size, starting with the smallest. 0.45      4.5      0.045      0.405      4.05			
Rounding	 <a href="https://goo.gl/7pXIFj">goo.gl/7pXIFj</a>	 <a href="https://goo.gl/imjS83">goo.gl/imjS83</a>	
<b>Exam Question</b> 1) Round 7462 to the nearest 1000. 2) Round 7.462 to one decimal place. 3) Round 725.046 to the nearest 10.			
Order of Operations	 <a href="https://goo.gl/UDA75F">goo.gl/UDA75F</a>	 <a href="https://goo.gl/MlyLJL">goo.gl/MlyLJL</a>	
<b>Exam Question</b> 1) Work out $6 + 2 \times 3$ . 2) Work out $(4 + 3) \times 2 + 4$			

# NUMBER




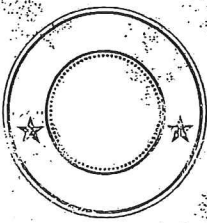


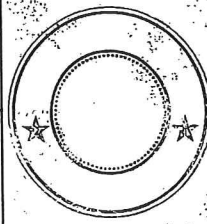


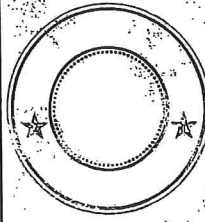
TOPIC	VIDEO	PRACTISE	
Money Problems	 <a href="https://goo.gl/GsOQ5H">goo.gl/GsOQ5H</a>	 <a href="https://goo.gl/E8HqAY">goo.gl/E8HqAY</a>	
<b>Exam Question</b> Each coloured pencil costs 28p. Neill has £2. Neill buys as many different colours as possible. Work out the amount of change Neill will get from £2. 			
Addition and Subtraction	 <a href="https://goo.gl/bGqb8L">goo.gl/bGqb8L</a>	 <a href="https://goo.gl/s4kK8R">goo.gl/s4kK8R</a>	
<b>Exam Question</b> 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? 			
Multiplication and Division	 <a href="https://goo.gl/bGqb8L">goo.gl/bGqb8L</a>	 <a href="https://goo.gl/3Wff87">goo.gl/3Wff87</a>	
<b>Exam Question</b> 1) Work out $837 \times 24$ . 2) Julie paid £1.28 for 4 chocolate bars. Work out the cost of 3 of these chocolate bars.			

# NUMBER




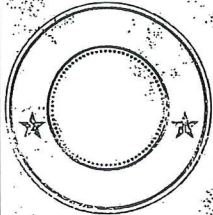


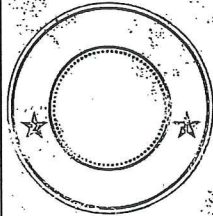
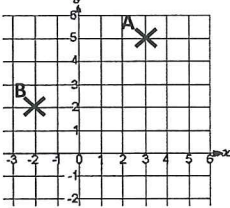


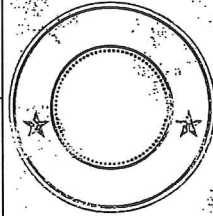
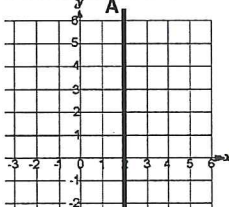
TOPIC	VIDEO	PRACTISE	
Shading Fractions	 <a href="https://goo.gl/T8lcBc">goo.gl/T8lcBc</a>	 <a href="https://goo.gl/lfCK2c">goo.gl/lfCK2c</a>	 
<b>Exam Question</b> 1) What fraction of the shape is shaded? Write your fraction in its simplest form.  2) Shade $\frac{2}{3}$ of this shape. 			
Fractions Decimals and Percentages	 <a href="https://goo.gl/tavgXV">goo.gl/tavgXV</a>	 <a href="https://goo.gl/JT30JT">goo.gl/JT30JT</a>	
<b>Exam Question</b> 1) Write $\frac{1}{4}$ as a percentage. 2) Write 0.17 as a percentage. 3) Express 35% as a fraction. Give your answer in its simplest form.			
Reading Scales	 <a href="https://goo.gl/k8zfKG">goo.gl/k8zfKG</a>	 <a href="https://goo.gl/k3rbWF">goo.gl/k3rbWF</a>	
<b>Exam Question</b> 1)  2)  Give the value of the arrows in the pictures.			






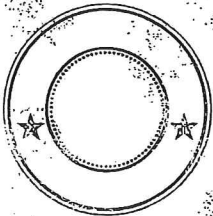
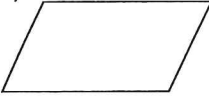
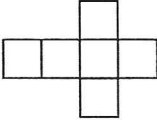
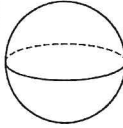


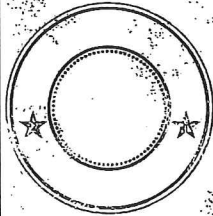
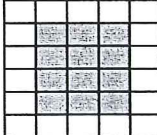
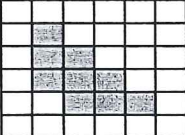


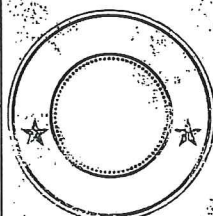

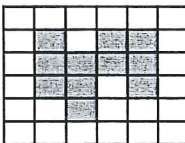
# Algebra

TOPIC	VIDEO	PRACTISE	
Collecting Like Terms	 <a href="https://goo.gl/WPz2AW">goo.gl/WPz2AW</a>	 <a href="https://goo.gl/rLngA7">goo.gl/rLngA7</a>	
<b>Exam Question</b> 1) Simplify $a + a + a - a + a + a$ 2) Simplify $3x + 2y + 5x - 4y$ 3) Simplify $3x \times 2x$			
Expanding Brackets	 <a href="https://goo.gl/YpJzHG">goo.gl/YpJzHG</a>	 <a href="https://goo.gl/S16AK9">goo.gl/S16AK9</a>	
<b>Exam Question</b> 1) Expand $3(x + 4)$ 2) Expand $2(3x - 5)$ 3) Expand $x(x + 2)$			
Solving One Step Equations	 <a href="https://goo.gl/IMchbr">goo.gl/IMchbr</a>	 <a href="https://goo.gl/XZGmT5">goo.gl/XZGmT5</a>	
<b>Exam Question</b> 1) Solve $x + 5 = 12$ 2) $\frac{x}{3} = 7$ 3) $2x = 9$			

# Algebra




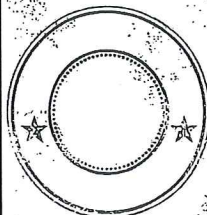
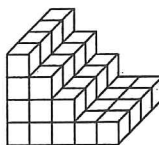
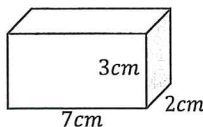


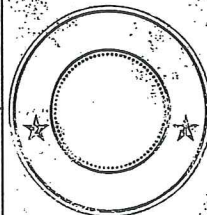




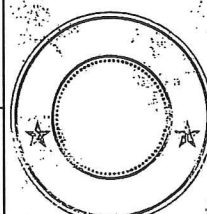
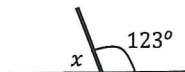
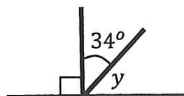
TOPIC	VIDEO	PRACTISE	
Substitution	 <a href="https://goo.gl/10i1Ui">goo.gl/10i1Ui</a>	 <a href="https://goo.gl/EXKtEY">goo.gl/EXKtEY</a>	
<b>Exam Question</b> 1) $D = 3b$ $b = 7$ work out the value of D.  2) $p = 2$ and $r = 6$ Work out the value of $Q$ , when $Q = 5p + 2r$			
Coordinates	 <a href="https://goo.gl/mrXb3m">goo.gl/mrXb3m</a>	 <a href="https://goo.gl/UfGc90">goo.gl/UfGc90</a>	
<b>Exam Question</b> 1) Write the coordinates of point A. 2) Write the coordinates of point B. 3) On the grid plot the point C (4,0).			
			
Rules of a Line	 <a href="https://goo.gl/nCehW7">goo.gl/nCehW7</a>	 <a href="https://goo.gl/d9q1nc">goo.gl/d9q1nc</a>	
<b>Exam Question</b> 1) What is the rule of line A? 2) Draw the line $y = 3$ on the grid and label B. 3) At what point do the two lines intersect?			
			

## Shapes and Measures




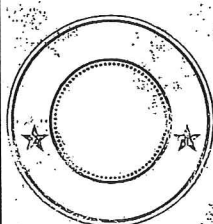
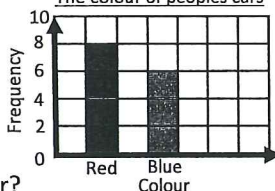


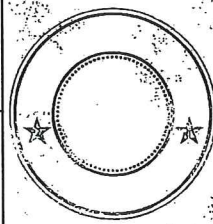


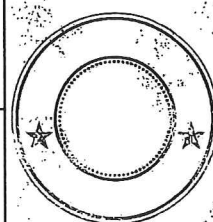









TOPIC	VIDEO	PRACTISE	
Identifying 3D and 2D shapes	 <a href="https://goo.gl/6psDB3">goo.gl/6psDB3</a>	 <a href="https://goo.gl/rMfxS7">goo.gl/rMfxS7</a>	
<b>Exam Question</b> Write down the mathematical name for each shape.			
1) 	2) 	3) 	
Perimeter	 <a href="https://goo.gl/ZW8NrW">goo.gl/ZW8NrW</a>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



# Shapes and Measures

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

## Statistics

TOPIC	VIDEO	PRACTISE									
Bar Charts	 goo.gl/Khz0Zs	 goo.gl/4WpGRU									
<b>Exam Question</b> 1) 7 people have silver cars. Represent this information on the bar chart. 2) How many people were asked about the colour of their car? 3) What is the most popular colour?											
<div><p>The colour of peoples cars</p><table><caption>Data for Bar Chart: Colour of People's Cars</caption><thead><tr><th>Colour</th><th>Frequency</th></tr></thead><tbody><tr><td>Red</td><td>8</td></tr><tr><td>Blue</td><td>6</td></tr></tbody></table></div>				Colour	Frequency	Red	8	Blue	6		
Colour	Frequency										
Red	8										
Blue	6										
Averages and Range	 goo.gl/z5Cj1A	 goo.gl/Ptda2Q									
<b>Exam Question</b> 5    8    6    4    5    8    7    5    6 1) Calculate the mean of the list of numbers. 2) Find the median of the list of numbers. 3) Find the mode of the list of numbers. 4) Find the range of the list of numbers.											
Pictograms	 goo.gl/6gMxB8	 goo.gl/f82bJy									
<b>Exam Question</b> The pictogram shows he number of text messages sent by individuals.											
		<div><p><b>Key</b></p><table><tr><td></td><td>= 8 texts</td></tr><tr><td>Ben</td><td></td></tr><tr><td>Ethan</td><td></td></tr><tr><td>Jodie</td><td></td></tr></table></div>		= 8 texts	Ben		Ethan		Jodie		
	= 8 texts										
Ben											
Ethan											
Jodie											
1) How many texts does Ethan send? 2) Jodie sends 12 texts represent this on the pictogram.											

Notes

# 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.

