

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>OCTOBER '17</h1>						<p>True or False? The HCF of 20 and 40 is 10.</p> <p>Handwritten: $\frac{20}{2 \times 2 \times 5}$, $\frac{40}{2 \times 2 \times 2 \times 5}$. True!</p>
<p>A box of cereal weighs 750g to the nearest 10 g. What is the error interval?</p> <p>Handwritten: $740 < 750 < 760$</p>	<p>Simplify, leave your answer in index form</p> $\frac{6^3 \times 6^3}{(5^2)^3} = 5^{10}$	<p>Solve:</p> $5(x+1) = 3(2x-4)$ <p>Handwritten: $5x+5=6x-12 \Rightarrow x=17$</p>	<p>What is the reciprocal of each number?</p> <p>Handwritten: $\frac{1}{5}, \frac{1}{3}$</p>	<p>Convert to an improper fraction</p> <p>Handwritten: $3\frac{4}{7} = \frac{25}{7}$</p>	<p>In a survey of 24 students: - three eighths prefer studying French - one sixth prefer studying German and - the rest prefer studying Spanish. How many students prefer studying Spanish?</p> <p>Handwritten: $\frac{11}{24}$</p>	
<p>Find the midpoint of the line AB where: A = (2,4) and B = (-1, 3)</p> <p>Handwritten: $(\frac{1}{2}, 3.5)$</p>	<p>Work out</p> $16 - (4 \times 6) + 6 = 15$	<p>By rounding estimate the answer to the below:</p> $\frac{9.7 + 46}{0.32}$ <p>Handwritten: ≈ 150</p>	<p>Which two have the same value?</p> <ul style="list-style-type: none">-8 + 6 = -2-8 ÷ 4 = -2-6 -- 2 = -4 <p>Handwritten: NONE OF THEM!!</p>	<p>True or False? $a^7 \times a^4 = a^{28}$</p> <p>Handwritten: false it's a^{11}</p>	<p>The cost of hiring a van can be calculated using the rule: Cost = £80 + 52p per mile Rob hires a van and travels 140 miles. How much does this cost him?</p> <p>Handwritten: £152.80</p>	
<p>Simplify</p> $a \times a \times a + b + b$ <p>Handwritten: $a^3 + b^2$</p>	<p>Solve:</p> $9x - 7 = 4x - 12$ <p>Handwritten: $5x = -5 \Rightarrow x = -1$</p>	<p>What is the gradient and y-intercept of the line $y = 2x - 3$?</p> <p>Handwritten: gradient = 2, y-intercept = -3</p>	<p>Write these in size order, smallest first:</p> <p>Handwritten: $0.2, \frac{3}{20}, 0.2, \frac{1}{4}$</p>	<p>Find 3.75% of 80. Give your answer correct to 2 decimal places</p> <p>Handwritten: 3</p>	<p>An isosceles triangle has angles $2x, 2x$ and $6x$. Calculate the sizes of the angles in the triangle.</p> <p>Handwritten: $10x = 180 \Rightarrow x = 18$. Angles are $36^\circ, 36^\circ, 108^\circ$.</p>	
<p>Which is greater? 40% of 50 or 50% of 40</p> <p>Handwritten: both are 20. They are the same.</p>	<p>Make a the subject of:</p> $b = (a-3)^2$ <p>Handwritten: $\sqrt{b} = a-3 \Rightarrow a = 3+\sqrt{b}$</p>	<p>Calculate:</p> $\frac{2}{3} - \frac{1}{5}$ <p>Handwritten: $\frac{10}{15} - \frac{3}{15} = \frac{7}{15}$</p>	<p>How many "terms" in this expression? $4x + 5b - 3c$</p> <p>Handwritten: 3</p>	<p>Expand: $(2x+4)(3x+2)$</p> <p>Handwritten: $6x^2 + 12x + 8$</p>	<p>Emma is E years old. Hannah is twice as old as Emma. The sum of their ages is 27. How old is Emma?</p> <p>Handwritten: $E = 9$</p>	
<p>Laura scored 48 out of 250 on her recent test. Write this as a percentage.</p> <p>Handwritten: $\frac{48}{250} \times 100 = 19.2\%$</p>	<p>£1 = \$1.49 Jan exchanged £300 to pounds. How much did she receive?</p> <p>Handwritten: \$447</p>	<h2>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</h2>				