

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY																				
<h1>MAY 2016</h1>						1 Work out 17.5% of £180 without a calculator																				
2 Share £320 in the ratio 5 : 3	3 Evaluate 2^0	4 Expand $2xy(x^2 + 3y)$	5 Work out 12.34×9 without a calculator	6 $£1 = 8.70$ kroner In Norway a purse costs 450 kroner. A similar hat in Britain costs £50. Where is the cheapest?	7 Complete the two way table	8																				
					<table border="1"> <thead> <tr> <th></th> <th>blue eyes</th> <th>brown eyes</th> <th>green eyes</th> <th>total</th> </tr> </thead> <tbody> <tr> <th>boys</th> <td>5</td> <td></td> <td>4</td> <td>12</td> </tr> <tr> <th>girls</th> <td></td> <td>7</td> <td></td> <td></td> </tr> <tr> <th>total</th> <td></td> <td></td> <td>9</td> <td>30</td> </tr> </tbody> </table>		blue eyes	brown eyes	green eyes	total	boys	5		4	12	girls		7			total			9	30	
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9 In a sale, normal prices are reduced by 20%. The normal price of a coat is reduced by £15. Work out the normal price of the coat.	10 Write 501 in standard form	11 What are the 3rd and 5th terms of the sequence: $10 - n^2$	12 Simplify $\frac{m^7 \times m^{-5}}{m^3}$	13 Solve. $5x + 1 > x + 11$	14 Alfie, Ben and Chris play football.	15																				
					<ul style="list-style-type: none"> Alfie has scored 8 more goals than Chris. Ben has scored 5 more goals than Alfie. Altogether they have scored 72 goals. How many goals did they each score?																					
16 A square has an area of $4m^2$. What is the area in cm^2 ?	17 Work out 22.5% of £420 without a calculator	18 The nth term of a sequence is $3n + 5$ Is 108 a term of this sequence?	19 Write 504 as a product of powers of its prime factors.	20 Expand $(2x + 2)(x + 3)$	21 There are 6760 people at a rugby match. 3879 of the people are men. 1241 of the people are women. One quarter of the children are girls. Work out how many boys are at the rugby match.	22																				
23 Simplify $m^7 \div m^{-3}$	24 Expand $p^3q(p^2q - 2p^2)$	25 Work out (a) 0.3×0.2 (b) 0.4×0.3 without a calculator	26 Put brackets in this calculation to make it correct. $5 - 3 \times 12 \div 4 = 6$	27 Work out an estimate for $\sqrt{(4.97 \times 2.2 \times 9.95)}$	28 Calculate x	29																				
30 Factorise $3xy^3 - 9x^2$	31 What is the below fraction as a decimal? $\frac{2}{3}$	REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!																								