OCTOBER '17

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
						1 True or False? The HCF of 20 and 40 is 4
2 A box of cereal weighs 750g to the nearest 10 g. What is the error interval?	**3** Simplify, leave your answer in index form $6^3 \times 6^3$ $(5^2)^3$	**4** Solve: $5(x + 1) = 3(2x - 4)$	**5** What is the reciprocal of each number? 5 $\frac{1}{3}$	**6** Convert to an improper fraction $3\frac{4}{7}$	**7** In a survey of 24 students: - three eighths prefer studing French - one sixth prefer studying German and - the rest prefer studying Spanish. How many students prefer studying Spanish?	**8**
9 Find the midpoint of the line AB where: A = (2,4) and B = (-1, 3)	**10** Work out $16 - (4 \times) + 6 =$ $12 + 3 \div 3 + 2 =$	**11** By rounding estimate the answer to the below: $\frac{9.7 + 46}{0.32}$	**12** Which two have the same value? - 8 + 6 - 8 ÷ -4 - 6 - - 2	**13** True or False? $a^7 \times a^4 = a^{28}$	**14** 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?	**15**
16 SImplify $a \times a \times a + b + b$	**17** Solve: $9x - 7 = 4x - 12$	**18** What is the gradient and y-intercept of the line y = 2x - 3?	**19** Write these in size order, smallest first? 0.2 $\frac{3}{20}$ 0.13 $\frac{1}{4}$	**20** Find 3.75% of 80. Give your answer correct to 2 decimal places	**21** An isosceles triangle has angles 2x ,2x and 6x. Calculate the sizes of the angles in the triangle.	**22**
23 Which is greater? 40% of 50 or 50% of 40	**24** Make a the subject of : $b = (a - 3)^2$	**25** Calculate: $1\frac{2}{3} - \frac{1}{5}$	**26** How many "terms" in this expression? 4x + 5b - 3c	**27** Expand: $(2x + 4)(3x + 2)$	**28** Emma is E years old. Hannah is twice as old as Emma. The sum of their ages is 27. How old is Emma?	**29**
30 Laura scored 48 out of 250 on her recent test. Write this as a percentage.	**31** £1 = $1.49 Jan exchanged £300 to pounds. How much did she receive?					

REMEMBER: The best way to revise maths is to "do Maths"!