Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
MAY '18	**1** What is the value of the digit "4" in 12.54? *four hundredths*	**2** Give an example of a number that has exactly two factors *5 factors are 1,5*	**3** $\frac{1}{5} = 15$ $\frac{5}{5} = 75$ $\frac{2}{5}$ of a number is 30. What is $\frac{3}{7}$ of the number? *$32\frac{1}{7}$*	**4** Without a calculator Work out 172 x 34 *5848*	**5** *no .. its $x^2 - 8x + 16$* Rob says that $(x-4)^2 = x^2 - 16$ Is is correct? Explain your answer	**6**
7 A triangle has sides of length 5 cm, 12cm and 13cm. Is it a right angled triangle? *$5^2 + 12^2 = 169$ yes. $\sqrt{169} = 13$*	**8** What is the area of a circle with a diameter of 6cm? *r=3* *$\pi \times 3^2 = 9\pi$ cm²*	**9** Write 9:4 in the form 1:n *1 : 0.4̇*	**10** What is the surface area of a cube with side length of 0.6 metres? *0.216m³*	**11** Without a calculator $\frac{4}{9}$ of 360 *160*	**12** Joanna has twin brothers. The combined age of Joanna and her brothers is 57. *now 14* In 3 years time her brothers will be 17. How old will joanna be in 3 years time? *$57 - (14 \times 2) = 29$ $29 + 3 = 32$*	**13**
14 What is the next term of the sequence? $\frac{5}{3}$ $\frac{8}{6}$ $\frac{14}{9}$ $\frac{23}{12}$ *35*	**15** Factorise: $2a^4b^3 + 8ab^4 - 4a^3b^2$ *$2ab^2(a^3b + 4b^2 + 2a^2b)$* $a^2 + a - 12$ *$\frac{+12}{-3,4}$* *$(a+4)(a-3)$*	**16** Estimate $\frac{9.68^2 \times \sqrt{16.32}}{12 \times 0.48}$ *$\frac{100 \times 4}{6} = \frac{400}{6} = \frac{200}{3} = 66.6̇$*	**17** The population of a village decreased from 200 people to 120 people. What is the percentage decrease? *$\frac{80 \times 100}{200}$* *40%*	**18** The ratio of number of green balls to red balls in a bag is 6:5 What fraction of the balls are red? *$\frac{5}{11}$*	**19** Show that 100 can be written as the sum of a power of two and a square number *$2^6 + 36$*	**20**
21 What is 400,000 to the power of zero? *1*	**22** Put a pair of brackets in the following to make it correct: $(2 \times 7) - 2 = 94$	**23** How many edges does a square based pyramid have? *8*	**24** Which is larger? *0.75* *1.3̇* $\frac{3}{4}$ or $\frac{4}{3}$	**25** Calculate the area *6cm²* 3 cm, 5 cm, 4 cm	**26** The cost of a meal after a 15% discount is applied to the bill is £29.75 *← 85%* What was the price before the discount? *£35*	**27**
28 What is the size of an exterior angle of an octagon? *$\frac{360}{8} = 45°$*	**29** What are the next two terms of the sequence? a b a+b *a+2b , 2a+3b*	**30** Simplify $3y^2 \times 4y^3$ *$12y^5$*	**31** How much interest is earned if I invest £2500 in an account that pays 4% compound interest *for 3years.* *£312.16*	**REMEMBER:** The best way to revise maths is to "do Maths"!		