MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
SEPTEMBER 2018					**1** Al, Bob and Chris sell cars. Al sells x cars. Bob sells 5 more cars than Al. Chris sells twice as many cars as Al. Write an expression, in terms of x, for the mean number of cars Al, Bob and Chris sell. $\frac{4x+5}{3}$	**2**
3 Simplify $(2a)^3$ $8a^3$	**4** 68 Julia and Sam shared some money in the ratio 4:3 If Sam got £51 how much did they share? £119	**5** Write 525 as a product of prime factors $3 \times 5^2 \times 7$	**6** 1,12,2,10,3,4 1,20,2,10,4,8 What is the HCF of 12 and 20? 10	**7** Factorise $6xy(2x^2-3y)$ $12\,x^3y - 18\,xy^2$	**8** 10000 If a typist can type 50 words per minute, how long will it take to type 40 pages with 250 words per page? 200 minutes	**9**
10 $\frac{4}{12}\frac{1}{3} - 1\frac{3}{12} = 1\frac{1}{12}$	**11** List the factors of 24 1,24,2,12,3,8,4,6	**12** What is 90 less than 10 thousand? 9910	**13** Which is longer: 1,000 000 seconds or 900,000s 10 days? 1,000,000 s is longer	**14** Expand and simplify $3t+12-8t-2$ $3(t+4)-2(4t+1)$ $-5t+12$	**15** One of the students in a class is chosen at random. The probability that this student is a girl is 3/5 There are 12 boys in the class. = 2/5 Work out the total number of students in the class. $\frac{1}{5}=6$ $\frac{5}{5}=5\times6=30$	**16**
17 750cm³ The area of the cross section of a prism is 30 cm² and it is 25 cm long. Work out the volume of the prism.	**18** What is 1.2 divided by 0.2? 6	**19** Write down the first 4 terms of the sequence $2n+4$ 6 8 10 12	**20** Solve $2p-2=11$ $p=6.5$	**21** Simplify $\frac{6+8}{6\times8}$ $\frac{14}{48}=\frac{7}{24}$	**22** 100-25π = What is the total area that is shaded?	**23** $\pi\times5^2 = 25\pi$ 10 cm
24 Work out 126 x 14 without a calculator 1764	**25** Work out 22.5% of £180 without a calculator £40·50	**26** $\frac{8}{12}\frac{2}{3} + 1\frac{3}{4}\frac{3}{12} = \frac{11}{12}$ $\approx \times4$	**27** Write 501 in standard form 5.01×10^2	**28** 1+8+27 Calculate $1^3+2^3+3^3$ 36	**29** 3 "things" cost £5.10. How much do 2 "things" cost? £3·40	**30**

REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!