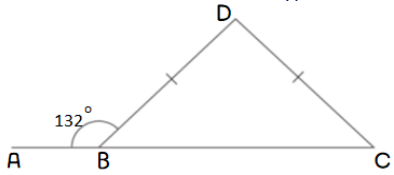



A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1 Write 27.14×10^7 in standard form	2 What is the value of 34^0 ?	3 Calculate 22.5% of £260	4 The ratio of Men: Women at a sports club is 5:3 The ratio of Women : Children is 4:1 What is the ratio of Men:Children ?	5 Convert to a mixed number fraction $\frac{23}{3}$	6 Christian receives a salary increase of 4%. which is worth £840. What was his salary before the increase?	7
8 I have 6 red pens and 3 green pens. What fraction of the pens are green?	9 350 people are in a cinema. 35% are children. $\frac{2}{5}$ are women. The rest are men. How many men are there?	10 Solve $5x - 9 = 4$	11 Without a calculator work out $2.4 \div 0.2$	12 Without a calculator $\frac{19}{20} \times 340$	13 I am thinking of a number. I multiply this number by 3, then add 19. My answer is 61 What number was I thinking of?	14
15 Rob buys a pair of sunglasses in the USA for \$35.50 In England, an identical pair of sunglasses costs £26.99 The exchange rate is £1 = \$1.42 Where are they cheapest?	16 Factorise fully $5x^2y + 10y^2$ $2a^2b + 6ab^2 + 4$	17 What is 45% written as a decimal?	18 140 cm of gold wire weighs 3.5 g How much would 110 cm weigh?	19 Simplify $4xy - 2xy + 5xy$	20 Work out the size of angle BDC 	21
22 Without a calculator work out: 4.4×56.1	23 For the first full year the interest rate is 7.5%. For the second full year the interest rate is 4.0% How much interest will you earn if you invest £4000 for 2 years?	24 Express 22.5 minutes as a percentage of one hour.	25 Which is the larger fraction? $\frac{3}{4}$ $\frac{4}{5}$	26 Factorise: $x^2 + 6x + 8$ $x^2 + x - 12$	27 There are 35 students in a class. 17 of the students study Art. 20 of the students study Textiles. 8 of the students study both Art and Textiles. How many students study neither subject?	28
29 Solve $6 = -4(x - 1)$ $3(y + 2) + 2y = y + 9$	30 Estimate $\frac{11.2 \times 0.99}{4.34 \times 0.51}$	31 Calculate: $3 \div \frac{1}{3}$	 <h1 style="margin: 0;">JANUARY '18</h1> <h2 style="margin: 0; color: #00AEEF;">REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</h2>			