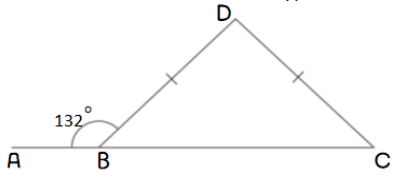



A LITTLE BIT OF MATHS EVERY DAY ...

| 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> | | | |