
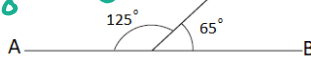

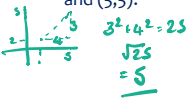
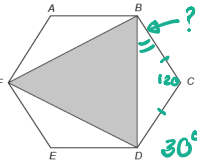


A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Aug 2017	1 Work out the value of 5.43×237.14 1287.6702	2 Write this statement in words: $67.32 < 600$ <i>Sixty seven point three two is less than six hundred</i>	3 What is the order of rotational symmetry of this shape? 2 	4 Write: $7.\dot{9}97$ correct to 1 decimal place. 7.9 470 correct to 1 significant figure. 500	5 Is line AB a straight line? Explain your answer $\begin{array}{r} 125 \\ +65 \\ \hline 190 \end{array}$ <i>No. the sum of the angles is greater than 180</i> 	6
7 Mel works for 6 hours and earns £39. How much is Mel's hourly wage? £6.50	8 Calculate: -2×12 -24 -6×-4 24	9 What is $a + b$? $a = \left(\frac{1}{4}\right)$ and $b = \left(\frac{3}{7}\right)$ $\left(\frac{4}{7}\right)$	10 What is the coordinate of the midpoint between (1,2) and (5,5)?  (3, 3.5)	11 Simplify fully $\frac{m^2 \times m^{-8}}{m^{-1} m^{-5}}$	12 The area of a rectangle is 100 cm^2 . The length of the rectangle is 4 times its width. Work out the width of this rectangle. $\begin{array}{ l} 4x \\ \hline 100\text{cm}^2 \end{array} x$ $4x^2 = 100$ $x^2 = 25$ $x = 5$ width = 5cm	13
14 What size is the exterior angle of a hexagon? $\frac{360}{6} = 60^\circ$	15 Solve $7x + 2 = 3x + 4$ $4x = 2$ $x = \frac{1}{2}$ $3 - 2(x - 9) = 5x$ $3 - 2x + 18 = 5x$ $21 = 7x$ $x = 3$	16 Christian says : $\sqrt{196} = 196 \div 2 = 98$ Why is he wrong? $\sqrt{196} = 14$	17 Write 80 as a product of its prime factors $2^4 \times 5$	18 Factorise and solve $x^2 - x - 2 = 0$ $(x+1)(x-2) = 0$ $x = -1$ $x = 2$	19 Tips in a restaurant are shared according to the number of hours each person works. One week, the tips total £72. Ben works twice as many hours as Alice. Carl works three times as many hours as Alice. How much is Ben's share of the tips? 24 $2x$ $x = £12$ $3x$ 36 $6x = 72$ $x = 12$ Ben £24	20
21 What is the length of the line segment between (1,2) and (5,5)?  5	22 Write 0.0005017 in standard form 5.017×10^{-4}	23 Calculate: $\frac{3}{5}$ of 75 45	24 Write down the value of 2^{-2} $\frac{1}{2^2} = \frac{1}{4}$	25 A number "x", is rounded to 7.15 correct to 2 decimal places. What is the error interval of x? $7.145 \leq x < 7.155$	26 ABCDEF is a regular hexagon. What is the size of angle CBD? $3 = 180$ $4 = 360$ $5 = 540$ $6 = 720$ $720 \div 6 = 120$ $180 - 120 = 60$ $60 \div 2 = 30$  30°	27
28 Evaluate $2^3 + 5^2$ $8 + 25 = 33$	29 What is the lowest common multiple of 14 and 35? $\begin{array}{ l} 14 \\ 28 \\ 42 \\ 56 \\ 70 \end{array}$ 70	30 Calculate: $2\frac{1}{5} + 2\frac{5}{8}$ $\frac{33}{20} + \frac{13}{20} = \frac{46}{20} = 2\frac{11}{10}$	31 Expand $x^2(2xy + 4x^3y)$ $2x^3y + 4x^5y$	REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!		