OUE-MEER HOUDAY GUALLEUGE (II)

How many can you do? ... How many will you do?

DAY I	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7
Write 300 as a product of prime factors using index notation.	SIMPLIFY qxqxq+rxr	Work out $\frac{5}{\sqrt{2}} + \frac{8}{\sqrt{32}}$	X is inversely proportional to	Write 16^{10} as a single power of 2	Solve: $y = 2x^2 - 7x + 4$	Continue this sequence
Solve $5(x^2 + 2x) = 73.$	Rationalise the denominator $\frac{7}{2+\sqrt{3}}$	Make "x" the subject	X = 15 and $Y = 0.3What is X when Y = 4?$	Find the value of $\frac{1.6 \times 10^7}{2 \times 10^2}$	y = 4x - 1	y is proportional to the cube of x When $x = 2$, $y = 28.8$
rationalise the denominator $\dfrac{4+2\sqrt{5}}{\sqrt{5}-1}$	A straight line has a gradient of 2 and passes through the	$y = \frac{4+x}{w-3x}$	Solve: x + y = 6 y - x = 8	Write one sixth as a REGURBING decimal:	What is the value of "x"? $9^{18} = 27^{x}$	Find x when y = 450
y is inversely proportional to x^2 y = 5 when $x = 4$.	point (0, 4). Find the equation of the line	Write $\sqrt{12} + \sqrt{75}$ in the form $k\sqrt{3}$.	Prove that the difference between two consecutive	What is the area of a rectangle with sides $\sqrt{45}$ and $\sqrt{30}$?	A triangle has sides 4, 5 and 6.4cm. Its area is 10cm ² . How long are the sides of a	Calculate: $3\frac{1}{5} - 1\frac{2}{7}$
Find a formula linking X and y .	$p = {4 \choose 3} q = {1 \choose -1.5}$ Work out $2p - q$	a:b=4:5 and b:c=7:11 Find the ratio a:c	square numbers is always odd.	Write the expression $x^2 - 6x + 19$ in the form	SIMILAR triangle with an area of 90cm ² ?	There are 5 cherry sweets, 4 lemon sweets and 1 orange
Simplify fully: $\frac{x^2 + 5x + 4}{x^2 - 3x - 28}$	Write as a power of 2 $\sqrt[3]{64} \times 2^{-4} \times 4^9$	Evaluate $16^{-\frac{3}{4}}$	Write down the four values for which sinx = -0.5	$(x + a)^2 + b,$	f(x) = 5x + 2	sweet. A sweet is chosen at random and eaten, Another sweet is then taken, WHat is teh
Simplify fully: $\frac{x^2 + 14x + 49}{x^2 - 49}$	The angles in a triangle are in the ratio 1:2:3	What is the equation of a circle, centre (0,0) radius 4 units?	How many different 5-digit whole numbers can be made using the	Expand & Simplify: (X • 4) ² • 9	Solve f ⁻¹ (x) = 10	probability of getting 2 different flavours?
What are the coordinates of the turning point of the curve $y = x^2 - 6x + 30$.	Is the triangle right angled?	Expand & Simplify: (2x - 1)(x + 5)(3x - 2)	digits: 2, 3, 4, 5, and 6 when each digit can be used once only?	Calculate the surface area of a cylinder with	Solve the equation $8 \sin x = 2.5$ for the interval 0° to 720°	Sĭmplĭfy : 3a² x 6a ⁻¹
4 workers can move 5 tonnes of goods in 3 hours. How long would it take 6	$\frac{x^2}{25} - \frac{y^2}{49}$	What is the 11th term rule: 3 8 15 24 35	Simplify: 16π ÷ 4π	radius 8cm and height 12cm	$\frac{2}{5}$ of a number is 16 . What is one quarter of the number?	SOLVE : 11x - 3 = 9x + 25
workers to move 10 tonnes of goods?	$(x^2+2x+1)(x^2+x+2)$	y = 3.6 to 1 d.p. What are the upper and lower bounds?	$\frac{5x + 7}{14} = \frac{1 - 2x}{21}$	Given 145x6.5 = 942.5 What is 1.45x65?	Solve: $x^2 - 6x + 15 = 3x - 5$	Estimate 5.14

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