

# ONE-WEEK HOLIDAY CHALLENGE (F)

HOW MANY CAN YOU DO? ... HOW MANY WILL YOU DO?

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7
What is 180 written as a product of prime factors?	Simplify .. $q + q + q + r \times r$	Estimate the cost of 19 bags of sweets that cost £1.94 each	Simplify: $7x^3 + x^3$	Write $2^5 \times 2^3$ as a single power of 2	Write 0.005071 in standard form	Angles in a triangle add up to _____
What is.. ${}_3\sqrt{27}$	Share £84 in the ratio 1:5	What is "75%" off £18?	what is 150,000 less than 3 million written in standard form?	Calculate: $\frac{8}{5} \times \frac{7}{12}$	Calculate 1.25% of £200	Write as a recurring decimal ... $\frac{1}{6}$
A:B is 2:5 and B:C is 3:1. What is A:C?	What is $27^0$ ?	what is the LCM of 12, 14 and 21?	Simplify ... $4t + 6s - 5t + 2s + 3$	without a calculator: $(2 \times 10^3) \times (6 \times 10^5)$	Calculate: $36.6 \div 1.2$	<b>Work out</b> $(2.8 \times 10^4) + (6.5 \times 10^3)$
Solve : $7 + 3x = 22$	How many cm in 3.5 metres?	Calculate $(-2)^3$	What is 22.5% of 120?	What is 0.09 written as a percentage?	If a car travels 93 miles in 1.5 hours. What is its speed?	Calculate: $3\frac{5}{6} - 2\frac{2}{5}$
Simplify $3 \times e \times 8 \times f$	Angles on a straight line add up to _____	Using the digits 3 4 8 2 what is the smallest even number that can be made	Simplify: $5ab \times 2ab^2$	What is the highest common factor of 36 and 84?	What is the sum of the 3rd prime number and the 2nd square number?	Change 3.2 kilograms into grams
It takes 4 men 8 days to build a wall. How long will it take 6 men?	What is $27.09 - 0.6$ ?	Solve $\frac{x}{4} = 3.5$	Round 0.007735 to 1 significant figure	Simplify: $2^2 \div 2^5$	What is the midpoint between -9 and -1 ?	Expand <b>and</b> simplify $(3x + 2)(x - 4)$
Write $27 \times 10^3$ in standard form	$v = u + at$ What is v when $u = 5$ , $a = 0.5$ and $t = 12$ ?	What is $0.6 \times 10.2$ ?	Convert $4m^2$ to $cm^2$	What are the next two terms 3 10 17 24	Simplify: $x^{0.2} \div x^{3.5}$	What is $-3 \times (-8)$ ?
Decrease £800 by 34%	Expand $-4(3y - 2)$	There are 3 blue pens and 1 red pen. What fraction of the pens are red?	A film finished at 21:23 - It was 104 mins long. What time did it start?	What is $0.2 \times 0.3$ ?	x is rounded to 6.4 which is 1 decimal place. What is the error interval?	Simplify: $(2x^{-3})^2$
List all the PRIME number between 10 and 20	Factorise $5x^2y + 10y$	What is the $n$ th term rule: 1 4 9 16 64	A letter is chosen from the word: PROBABILITY What is the probability of choosing the letter "X"?	Expand & Simplify: $4(x + 4) - 3(2 + x)$	$\frac{2}{5}$ of a number is 16. What is the number?	Solve : $43 = 8 + 7x$
Which is greater 57% or $\frac{5}{9}$	Write 9:37 pm as a 24 hour clock time	What number is halfway between 46 and 98?	Angles in a quadrilateral add up to _____	Change 0.07 into a fraction	Solve : $35 = 15 - 2x$	$14 \times 30 = 2 \times ?$

