


# REVISION CHALLENGE (F)

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



What is <b>36</b> written as a <b>PRODUCT</b> of prime factors?	What is $\frac{3}{20}$ written as a <b>PERCENTAGE</b> ?	If I spend £87.50 how much change from £100 will I get?	Calculate: $\frac{2}{7} \div \frac{2}{5}$	What is 22.5% of 84?	Write 68001 in standard form	Write the ratio 2:14 in its simplest form
Calculate $2^4$	What is 17.5% of 80?	What is "one eighth" written as a <b>DECIMAL</b> ?	<b>WITHOUT</b> a calculator: 1967 - 897	<b>Calculate:</b> $6 \div \frac{1}{4}$	<b>CALCULATE</b> 2.5% of 80	Write 0.00208 in standard form
What is: $1739 + 899$ ?	Calculate $3^3$	What is 15% of 80?	What is 45% written as a fraction?	I share £1134 between 6 friends. How much do they <b>EACH</b> receive?	<b>Calculate:</b> $\frac{2}{9} + \frac{1}{3}$	Work out 17.5% of 180
<b>SOLVE:</b> $2x - 2 = 11$	What is 150,000 <b>LESS</b> than 5 million?	Calculate $1^3$	What is 5% of 96?	What is $\frac{3}{5}$ written as a <b>PERCENTAGE</b> ?	Tea costs £1.40 and coffee costs 65p how much will 5 coffees and 2 teas cost?	Calculate: $\frac{2}{7} + \frac{1}{9}$
Simplify $a \times 4 \times b \times 7$	Calculate $15 \times 45$	<b>Round</b> 37.6789 to 2 decimal places	Simplify: $x^2 \times x^{-5}$	What is $-4 - 5$ ?	Expand <b>and</b> simplify $2(x - 3) - 3(x + 5)$	Share £60 in the ratio 1:2
Share £108 in the ratio 4:5	What is $12.45 + 0.3 + 1.1$ ?	work out $456 \times 11$	Round 0.007735 to 3 significant figures	Simplify: $x^{-5} \div x^{-2}$	What is $-4 \times -8$ ?	Expand <b>and</b> simplify $(x - 3)(x + 6)$
Write $16.4 \times 10^5$ as an <b>ORDINARY</b> number	Friends A, B and C share some sweets in the ratio 1:3:4. C has 7 more sweets than B. How many sweets altogether?	What is $3256 + 0.45$ ?	<b>work out</b> $14.34 \times 12$	Round 505 to 1 significant figure	Simplify: $x^{-3} \div x^7$	What is $-2 + 5$ ?
Work out 2.5% of 180	Write $4.756 \times 10^{-1}$ as an <b>ORDINARY</b> number	There are 3 blue pens and 5 red pens. What <b>fraction</b> of the pens are red?	What is 52 million + 14,200?	What is $0.2 \times 0.4$ ?	x is rounded to 57 which is 2 sig. figs. What is the <b>ERROR INTERVAL</b> ?	<b>Simplify:</b> $(x^5)^{-3}$
List the first 3 <b>SQUARE</b> numbers	Factorise $6x + 8 + x^2$	<b>Increase</b> £420 by 15%	A letter is chosen from the word: <b>PROBABILITY</b> What is the probability of choosing the letter "B"?	<b>Solve:</b> $2.5x - 7 = 6$	<b>Without</b> a calculator: $14.3 \times 0.7$	What is <b>184</b> written as a <b>PRODUCT</b> of prime factors?
Share £12 in the ratio 1:2	What is the 3rd square number <b>PLUS</b> the 2nd prime number?	Factorise $4x^3y + 9xy^2$	A bank pays 2.5% simple interest. £8000 is invested, how much will be in the account after 2 years?	5 1 3 4 6 4 3 6 5 3 What is the median?	<b>Solve:</b> $4(2x - 3) = 20$	What is the side length of a square with an area of $36\text{cm}^2$ ?
Expand and <b>SIMPLIFY</b> $(x - 4)(x - 2)$	The ratio of pens:pencils is 2:1 The ratio of pens:rulers is 3:1 What is the ratio of pencils:rulers?	What is the <b>HIGHEST COMMON FACTOR</b> of 8 and 18?	Factorise $a^2b + ab^2 + 1$	$a = 0.5$ $b = -3$ What is the value of $3a + 2b$ ?		
True or False? $4 - -3 = -7$	Expand and simplify $(x - 7)(x + 7)$	What is the <b>AREA</b> of a square with side length of 2.5cm?	What is the <b>LOWEST COMMON MULTIPLE</b> of 12 and 18?	<b>FACTORISE</b> $x^2 + 12x + 27$		