

Proportion Problems *ramp up*

ANSWERS

a Find the missing number in $1 : 4 = 3 : ?$ 12 an equal ratio from $1 : n$	b Find the missing number in $2 : 5 = 6 : ?$ 15 both parts times the same number	c Which of $4 : 6$, $3 : 4$ and $10 : 15$ is not equal to $2 : 3$? 3 : 4 adding to both parts breaks the ratio	d Find the missing number in $3 : 4 = ? : 20$ 15 the missing part first
e Find the missing number in $6 : 9 = 4 : ?$ 6 a multiplier that is not whole	f Find the missing number in $2 : 3 = 7 : ?$ 10.5 a missing part that is not whole	g Find the missing number in $40 \text{ cm} : 2 \text{ m} = 3 : ?$ 15 equal ratios with mixed units	h Find the missing numbers in $2 : 3 : 5 = 6 : ? : ?$ 9 and 15 a three part ratio
i $a : b = 2 : 3$ and $b : c = 6 : 7$. Find $a : c$ 4 : 7 two ratios linked by a common part	j $a : b = 5 : 8$. Add 15 to a . What must you add to b to keep the ratio? 24 an increase that keeps the ratio	k Find x when $(x + 1) : 6 = 2 : 3$ 3 an expression in the ratio	l $x : 4 = 9 : x$ and x is positive. Find x 6 a ratio with the unknown twice

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