

## PROPORTIONALITY

Name:

Assessment Criteria: Understand and use proportionality

1. I want to reduce an amount by 60%. Which of the following numbers could I multiply by to help me to find the answer, and which one is the odd one out: 0.4, 1.4, 0.6? Explain your answer.

2. Is a 50% increase followed by a 50% increase the same as doubling? Explain your answer.

3. What one-step calculation could you use to increase 23 by 23%?

4. What one-step calculation could you use to decrease 45 by  $\frac{1}{6}$ ?

5. If I want to calculate the number of dollars that can be bought with £18 with an exchange rate of  $\$1 \equiv \text{£}0.92$ , how could I use the table here?


Overall, I think my success level is:

Low High  
○ ○ ○ ○

Q	PROPORTIONALITY	☺	☹
	I can solve a percentage increase / decrease problem using a multiplicative method (one-step)		
	I can solve a fractional increase / decrease problem using a multiplicative method (one-step)		
	I can use proportionality to solve problems		
	I can use a table of values to solve a proportionality problem		
	<i>I can justify generalisations, arguments or solutions</i>		
I need to practise ...			