



Attainment Band :	Unit 4-Proportional Reasoning	
	Knowledge and Understanding	Skills
Yellow Plus	Recalls the correct conversions, understands how to work backwards to find the original amount 5*	Reverses percentages; finds the original quantity when given a value after a percentage increase or decrease 5 Converts units of measure, involving distance, speed and time questions 11b Uses unitary method to find equivalent ratios 14a Uses unitary method to find equivalent ratios including decimals 14b
Yellow	Understands direct proportion Knows to work in the same units of measure when solving problems involving distance, speed and time 11/12	Solves 2-step word problems involving ratio 8 Uses bar modelling or an alternative method to solve proportion problems 9 Finds one quantity given another and the ratio they are divided in 10 Uses the relationship between distance, speed and time (DST) to solve problems 11a Solves written problems using mathematical reasoning, involving DST 12 Solves worded problems involving percentage difference 13
Blue	Understands interest is added on to an amount 3* Rounds to 1 decimal place 14b	Solves problems involving interest 3 Calculates percentage increase 4 Divides a quantity in a given ratio 7 Solves written problems applying their fraction and mathematical logic 10 Writes equivalent ratios and finds missing term in a pair of equivalent ratios 8
Green	Understands the term increase/decrease 2*	Increases or decreases an amount by a given percentage 2 Solves written problems using logical reasoning, involving division 6
White	Understands how to change a fraction to a percentage 1*	Convert between a fraction and a percentage 1

* Asterisks mark next to a question number means a question has been broken down into subparts.

