RIGOUR

MNU 4-07a

Homework 3

Silver Level



Outcome 1

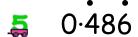
Changing recurring decimals to fractions

Express the following recurring decimals as fractions...

	• •
1	0.71









Outcome 2

Undoing a Percentage increase/decrease

Calculate the following original amounts...



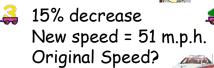
10% increase

New cost = £121

Original Price?

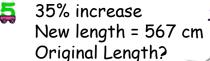


20% decrease New cost = £8720 Original Price?





2% increase
New weight = 306 g
Original Weight?





45% decrease
New area = 6490 m²
Original Area?

Outcome 3 - Expressing one value as a % of the other



In a survey by a local café it was found that 41 customers preferred coffee and 9 customers preferred tea?



In a class of 24 there are 15 girls. What percentage of the class are boys?





On the day of a maths exam 3 pupils did not bring a calculator and 117 pupils did. What percentage of pupils forgot to bring a calculator?



There are 160 S3 pupils choosing a science. 57 of them are choosing Physics, 39 are choosing Biology and the rest are choosing Chemistry. What percentage of S3 pupils are choosing Chemistry?

