



## MNU 4-08a

## Homework 3

## Gold Level



## Outcome 1

## Proportion – which one???

1

17 boxes of matches are emptied on to a table. There are now 884 matches on the table.



On average, how many matches are in each box?

2

50 trucks can remove 1400 tonnes of rubble in a day. How much rubble could 18 trucks remove in a day?



3

A group of 9 hill climbers take enough food to last a 10 day trip. Another 6 climbers join the group, but they do not bring food. How many days will the food now last this larger group?



4

Before going on holiday, Kieran changed £320 into euros, receiving €352 for his money.



His friend Danny changed £260 spending money into euros at the same exchange rate. How many euros did Danny receive?

## Outcome 2

## Proportional Division

1

Grandpa Smith shared some pocket money between his three grand sons  
Max : Andrew : Freddie in the ratio 5 : 3 : 4.

Andrew received £18. How much did Max and Freddie both receive?



2

A band share royalties from a hit record.

The money was shared between  
Paul : John : George : Ringo  
in the ratio of 8 : 9 : 5 : 2.



If Paul received £96 000, how much did John earn?

3

A fish stall was set up at a local market.  
The ratio of cod : salmon : trout  
on sale was 8 : 5 : 7.

If there were 60 salmon altogether how many fish in total were on sale?

