

MNU 3-08a

Homework 5

Bronze Level

Outcome 1 - Proportion

For each of the following, find the cost per item...

1

8 C.D.s
costing £72



2

3 footballs
costing £24



3

6 tennis balls
costing £3



4

9 books
costing £108



5

4 cars costing
£48 000



6

6 televisions
costing £6600



7

2 cups of coffee
costing £1.70



8

9 bananas
costing £0.90



9

7 apples
costing £0.84



10

9 pencils
costing £1.08



Outcome 3 - Ratio Calculations

1

Boys : Girls = 1 : 4
2 boys, how
many girls?



2

Men : Women = 1 : 2
38 men, how
many woman?



3

Teachers : Pupils = 1 : 9
9 teachers, how
many pupils?



4

Violins : Cellos = 5 : 1
60 violins, how
many cellos?



5

Doctors : Nurses = 1 : 6
11 doctors, how
many nurses?



6

Buses : People = 1 : 30
9 buses, how
many people?



7

Hands : Fingers = 1 : 5
2 hands, how
many fingers?



8

Lorries : Cars = 1 : 8
9 lorries, how
many cars?



9

Guitars : Bass = 3 : 1
7 bass, how
many guitars?



10

Weeks : Days = 1 : 7
91 days, how
many weeks?



Outcome 2 - Simplifying Ratio

Simplify the following Ratio...

1

2 : 12

2

30 : 360

3

7 : 63

4

40 : 8

5

5 : 40

6

42 : 6

7

11 : 121

8

84 : 7

9

300 : 600

10

1000 : 70 000

Outcome 4 - Proportional Division

1

Divide 40 in
the ratio of 1 : 4.

2

Share 18 in
the ratio of 1 : 8.

3

Share 24 in
the ratio of 1 : 7.

4

Divide 72 in
the ratio of 1 : 5.

5

Divide 320 in
the ratio of 1 : 3.

6

Share 630 in
the ratio of 1 : 8.

7

Divide 150 in
the ratio of 1 : 4.

8

Share 440 in
the ratio of 1 : 3.

9

Share 5600 in
the ratio of 1 : 6.

10

Divide 9600 in
the ratio of 1 : 7.