MNU 3-08a   Homework 5   Silver Level

Outcome 1 - Direct Proportion

1. 5 D.V.D.'s cost £55. How much for 7 D.V.D.'s?

2. 7 beach balls cost £28. How much for 9 beach balls?

3. 2 ice creams cost £1·80. How much for 5 ice creams?

4. 3 cuddly toys cost £30. How much for 8 cuddly toys?

5. 4 lava lamps cost £100. How much for 9 lava lamps?

6. 6 bicycles cost £900. How much for 8 bicycles?

7. 8 cans of cola cost £6·40. How much for 3 cans of cola?

8. 3 light bulbs cost £3·90. How much for 7 light bulbs?

9. 4 hamburgers cost £5·20. How much for 7 hamburgers?

10. 6 air fresheners cost £14·40. How much for 5 air fresheners?

Outcome 2 - Simplifying Ratio

Simplify the following Ratio...

1. 8 : 18

2. 70 : 50

3. 21 : 49

4. 18 : 60

5. 35 : 60

6. 20 : 28

7. 27 : 72

8. 64 : 72

9. 300 : 400

10. 720 : 800

Outcome 3 - Ratio Calculations

1. Boys : Girls = 4 : 5
12 boys, how many girls?

2. Men : Women = 3 : 4
15 men, how many woman?

3. Policemen : Policewomen = 5 : 4. 10 policemen, how many policewomen?

4. Chefs : Waiters = 2 : 7
12 chefs, how many waiters?

5. Cars : Buses = 8 : 3
64 cars, how many buses?

6. Houses : Flats = 2 : 9
24 houses, how many flats?

7. Cars : Passengers = 3 : 9
9 cars, how many passengers?

8. Cats : Dogs = 6 : 7
24 cats, how many dogs?

9. Sheep : Cows = 5 : 8
16 cows, how many sheep?

10. Planets : Stars = 3 : 20
320 stars, how many planets?

Outcome 4 - Proportional Division

1. Divide 30 in the ratio of 2 : 3.

2. Share 27 in the ratio of 4 : 5.

3. Share 90 in the ratio of 3 : 7.

4. Divide 55 in the ratio of 2 : 9.

5. Divide 750 in the ratio of 4 : 11.

6. Share 810 in the ratio of 2 : 7.

7. Divide 450 in the ratio of 3 : 2.

8. Share 330 in the ratio of 6 : 5.

9. Share 7000 in the ratio of 7 : 3.

10. Divide 3200 in the ratio of 5: 3.