Name: _____

1. (a) Divide $90 in the ratio of 4:5.

(b) Divide 120 kg in the ratio 4:1.

(c) Divide $810 in the ratio 2:3:4.

(d) Divide 1.2 m in the ratio 3:2.

2. Fran and Denise divided their payment for cleaning a house in the ratio 3:5.

(a) What fraction of the payment did Fran receive?

(b) What percentage of the payment did Denise receive?

(c) If the total payment was $120 how much did they each receive?

Fran

Denise

3. Two fifths of the audience at a concert were males. What is the ratio of males to females at the concert?

4. Write the following ratios in their simplest form.
(a) $56:$60   (b) 48 m:72 m   (c) 1.8 g:3.2 g

5. 1.2 litres of green paint is mixed with 1.6 litres of yellow paint. What is the ratio (in its simplest form) of green paint to yellow paint?

6. Joe mixed 80 g of wheat and 60 g of oats to make a feed mix for his chooks.
(a) What is the ratio (in its simplest form) of wheat to oats?

(b) Joe had 360 g of wheat. How many grams of oats should he add to make a feed mix with the same ratio?

(c) If Joe wanted to make 3.5 kg of the mix how many grams of each grain should he use?

wheat

oats

7. Gerry made a snack mix using one cup of sultanas, one quarter of a cup of sunflower seeds, one eighth of a cup of peanuts and half a cup of cashews.
How many grams of each ingredient should he use to make 1.5 kg of the mix?

sultanas

sunflower seeds

peanuts

cashews

8. Esther mixed 120 mL of oil and 2.5 L of petrol for her lawnmower fuel. She then realised the oil/petrol ratio should be 1:25. How many mL of petrol should she add to make the correct ratio?