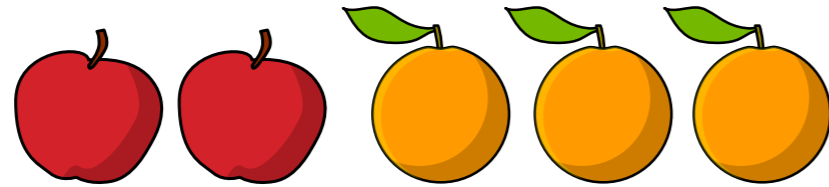


Solve problems involving ratios of the form $m:n$

1 For every 2 apples, there are 3 oranges.



a) The ratio of apples to oranges is :

b) The ratio of oranges to apples is :

c) If there are 6 oranges, there will be apples.

d) If there are 6 apples, there will be oranges.

2 The ratio of men to women at a football match is 5:2
Are these statements true or false? Circle your answer.

There are more men than women. T F

There are 7 people at the football match. T F

For every 2 women, there are 5 men. T F

If one more woman arrives, the ratio will change to 5:3 T F

3 For every 7 boys in a class, there are 9 girls.
There are 14 boys in the class.

a) How many girls are there in the class?

b) How many children are there in the class in total?

c) How many more girls than boys are there in the class?

d) There are 3 adults in the classroom.

What is the ratio of adults to children?

 :

4 A teacher orders pencils and rulers in the ratio 3:5

a) One week, the teacher orders 240 pencils.

How many rulers does she order?

b) The week after, the teacher orders 240 rulers.

How many pencils does she order?

5

A farm has sheep and horses in the ratio 7 : 5

a) If there are 70 horses on the farm, how many sheep are there?

b) If there are 140 horses on the farm, how many sheep are there?

c) If there are 35 horses on the farm, how many sheep are there?

d) What do you notice about your answers?

e) If there are 280 horses on the farm, how many sheep are there?

6

For every 30 minutes that Huan spends watching TV, Whitney spends 2 hours.

If Huan watches TV for 4 hours, how long does Whitney watch TV for?



7

For every £1 Annie has, Tommy has 50p.



a) Tick the ratios that represent the situation.

 1 : 1 1 : 50 100 : 50 2 : 1 1 : 2

For any incorrect ratios, discuss the mistake that has been made.

b) If Annie has £3, how much money does Tommy have?

c) If Tommy has £2.50, how much money does Annie have?

d) If Annie has £4.00, how much money do they have altogether?

e) If Tommy has £7.50, how much more money does Annie have than Tommy?

