

Mathematics

Groups

Lesson 1 of 8

Downloadable Resource

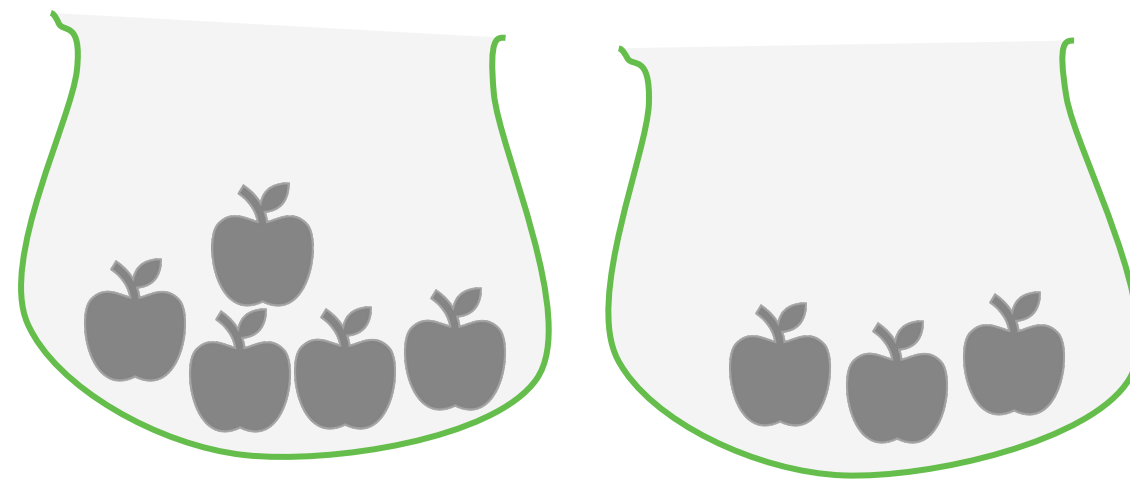
Miss Kidd-Rossiter



Try this

How many different ways can you put 8 apples into 2 bags?

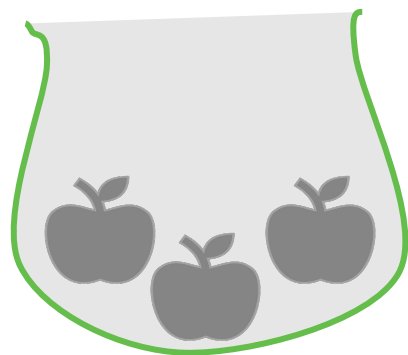
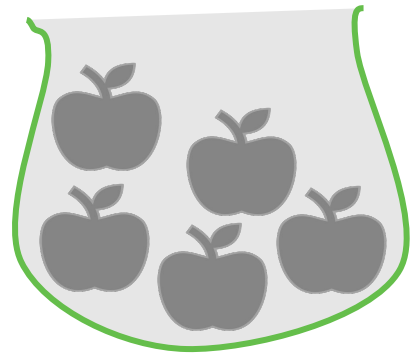
For example, you can put 5 in one bag and 3 in the other.



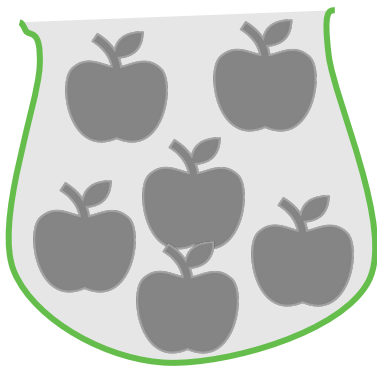
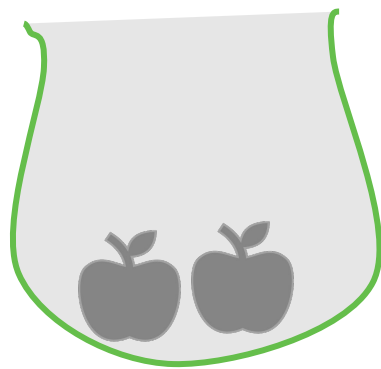
How many different ways can you put 8 apples into 3 bags?



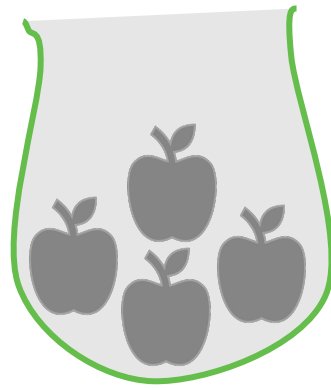
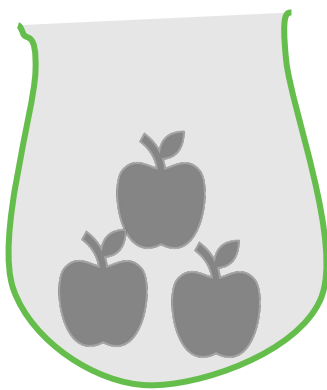
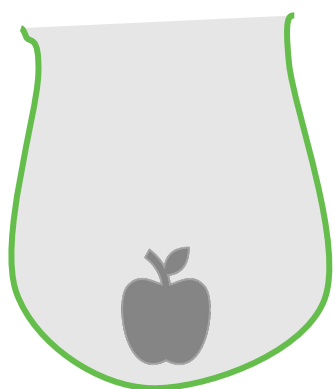
Connect



can be described as 5 : 3



can be described as 2 : 6
or 1 : 3



can be described as 1 : 3 : 4

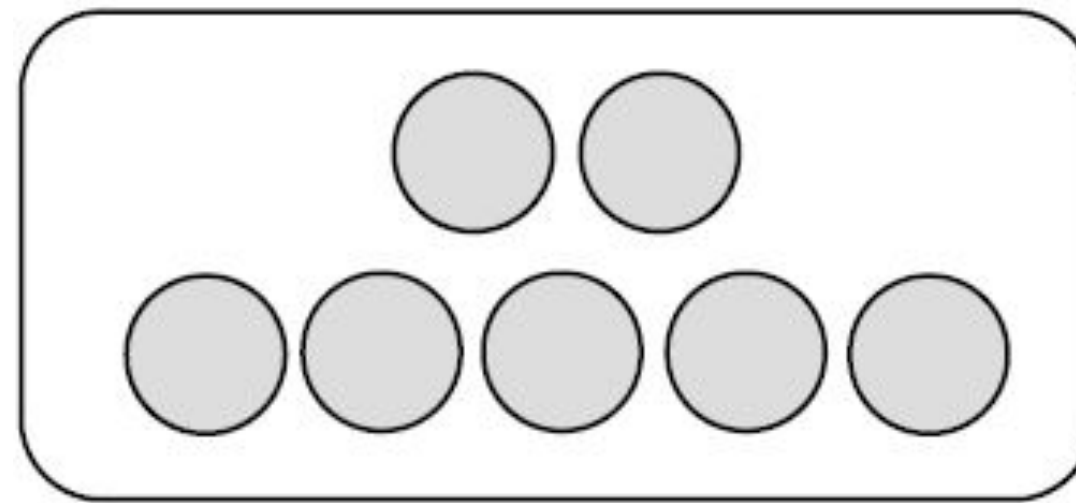
Draw some sharings of **10** apples between two or more bags and write them using ratio notation.

Can **every** bag contain an odd number of apples?



Independent task

1. Asif puts in 2 sweets and Sally puts in 5 sweets to make a group.



- a. How many sweets are there in the group?
- b. If they make 10 of the same groups, how many sweets will Asif put in?
- c. If they make 24 of the same groups, how many sweets will Sally put in?
- d. If they make 50 of the same groups, how many sweets will Asif and Sally put in?



Independent task

2. I make a group of green and yellow counters with 11 counters in total.

Which of these could be the ratio of green counters to yellow counters?

2 : 9

11 : 1

1 : 1

0 : 11

7 : 4

Explain your answer (s).



Independent task

3. Antoni saves £4 a month. Binh saves £9 a month. Cala saves £7 a month. They put the money together to give to charity. How much will they have altogether after one year?



Independent task

4. A bowl of fruit contains 3 apples, 2 oranges and 6 bananas.
- a. Maja sells n bowls like this at the market. How many bananas did she sell?
 - b. If she sold n apples, how many bowls did she sell?
 - c. If she sold n bowls, how many pieces of fruit did she sell in total?

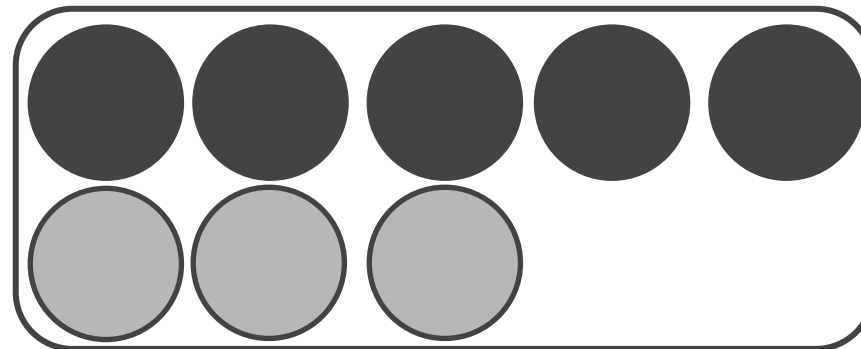


Explore

In this bag, there are 5 plums and 3 satsumas.

The greengrocer is choosing a label for the bag.

Contains 8
fruits



The ratio of
plums to
satsumas is 5 : 3

2 more plums
than satsumas

$\frac{3}{8}$ of the fruit in
the bag are
satsumas

Which of these are
still true if the
greengrocer doubled
the amount of each
fruit in the bag?
What about if she
added two more of
each fruit to a bag?

What's the same and what's different about the labels?

Which label should the greengrocer put on the bag?

