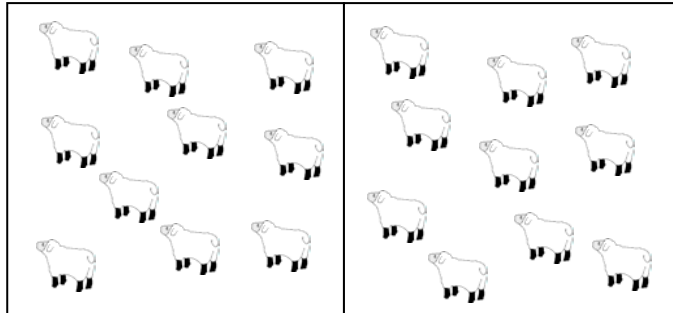# Fraction Strategies
Animals

I am learning to find fractions of a set.

Example:

A farmer has twenty sheep and two paddocks. She wants to put one half of the sheep in each paddock. How many animals will be in each paddock?

There will be 10 sheep in each paddock. Check: 10 + 10 = 20

Another farmer has twenty sheep and four paddocks. He wants to put one quarter of the sheep in each paddock. How many sheep will be in each paddock?

There will be 5 sheep in each paddock. Check: 5 + 5 + 5 + 5 = 20

Exercise 1

1) A farmer has sixteen sheep. She has two paddocks. She wants to put one half of the sheep in each paddock. How many sheep will be in each paddock?
2) A farmer has eighteen cows. He has three paddocks. He wants to put one third of the cows in each paddock. How many cows will be in each paddock?
3) A zoo keeper has twelve lions. She has four cages. She wants to put one quarter of the lions in each cage. How many lions will be in each cage?
4) A vet has fifteen puppies. He has five kennels. He puts one fifth of the puppies in each kennel. How many puppies are in each kennel?
5) A zoo keeper has twenty four monkeys. She has six cages. She puts one sixth of the monkeys in each cage. How many monkeys are in each cage?

Exercise 2

1) Darth Vader has fifty storm troopers and ten space ships. He wants to put the same number of storm troopers in each ship. What fraction will that be in each ship? How many storm troopers will be in each ship?

2) Voldemort has one hundred Death Eaters, and four portkeys. He wants an equal number of Death Eaters to travel in each portkey. What fraction will that bein each portkey? How many Death Eaters will be in each portkey?

3) Harry has forty five chocolate frogs and five friends to share them between. He is going to give them all an equal number of chocolate frogs. What fraction will that be for each friend? How many chocolate frogs will each friend get?

4) Aragorn has two hundred soldiers and ten torches. He wants an equal number of people to be around each torch. What fraction will that be for each torch? How many soldiers will be around each torch?

5) Barbara has thirty sponges and six sinks. She wants the same number of sponges in each sink. What fraction will that be for each sink? How many sponges will be in each sink?

Exercise 3

What is one half of these numbers?

1)	20	(2)	10	(3)	50
4)	100	(5)	18	(6)	24
7)	14	(8)	36	(9)	150

Exercise 4

What is one third of these numbers?

1)	9	(2)	15	(3)	21
4)	30	(5)	24	(6)	60

Exercise 5

What is one quarter of these numbers?

1)	8	(2)	16	(3)	24
4)	40	(5)	36	(6)	60

Fractions Strategies: Animals
Answers

Exercise 1

1) 8   (2)   6   (3)   3

4) 3   (5)   4

Exercise 2

1) $\dfrac{1}{10}$, 5   (2) $\dfrac{1}{4}$, 25   (3) $\dfrac{1}{5}$, 9

4) $\dfrac{1}{10}$, 20   (5) $\dfrac{1}{6}$, 5

Exercise 3

1) 10   (2)   5   (3)   25

4) 50   (5)   9   (6)   12

7) 7   (8)   18   (9)   75

Exercise 4

1) 3   (2)   5   (3)   7

4) 10   (5)   8   (6)   20

Exercise 5

1) 2   (2)   4   (3)   6

4) 10   (5)   9   (6)   15