

Spring Animals 3

A Numicon fractions, decimals and percentages activity for pairs

What you will need (per pair)

- A copy of the animal picture cards sheet, cut up
- The animal record on this sheet
- Numicon Shapes

What to do

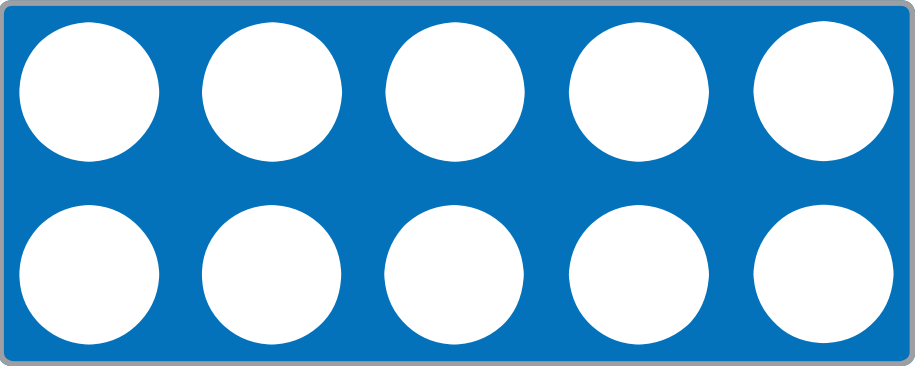
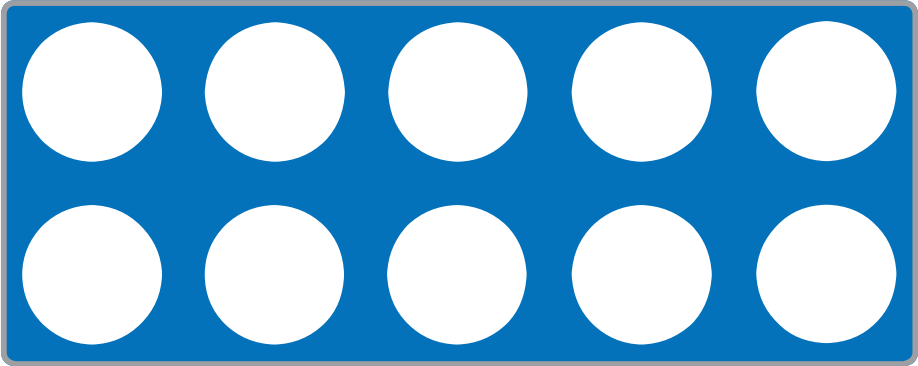
- Talk together to decide how many legs each animal has.
- Place the Animal Picture Cards face down on the table.
- Randomly select 10 cards and place them onto the Animal Record. These are the animals you have seen on your walk in the country.
- Discuss with your partner the fraction of animals which have 2 legs, 4 legs, 6 legs and so on. Arrange your animals in groups by number of legs on the Animal Record. (For example, place all the animals with 4 legs together.)
- Record this on the Numicon 10-shape template, using Numicon Shapes. (For example, use a Numicon 2-shape to represent 2 animals with 4 legs.)
- Express the fractions you found as a decimal and a percentage, for example $\frac{2}{10} = \frac{1}{5} = 20\% = 0.2$.

Extensions and questions

- Select a different total number of animals seen, such as 20 or 40 instead of 10 animals.
- What number of legs represents the greatest and smallest fractions of your total? (For example, 5 animals with 2 legs might be the largest fraction.)
- What fraction or percentage of the animals has 2 or 4 legs?
- Use different attributes to categorise the animals (rather than number of legs). For example, does the animal have wings? Is it a mammal?


Animal Record












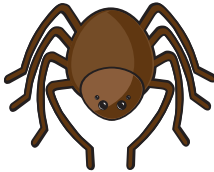




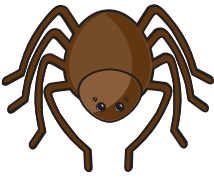
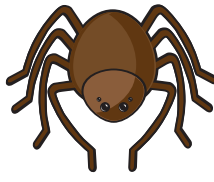

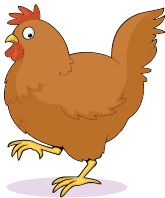


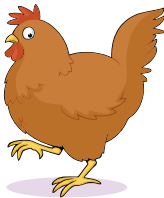

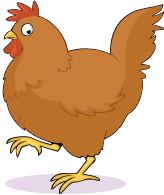
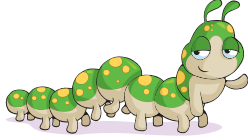

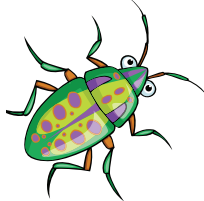


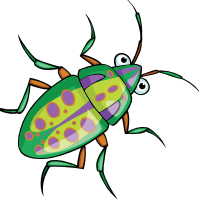

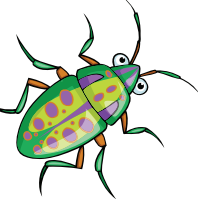

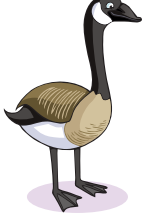












Animal Record



Spring Animals 3 – Animal Picture Cards

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Frog 	Horse 	Sheep 	Frog 	Horse 	Frog 
Horse 	Sheep 	Sheep 	Duck 	Goat 	Spider 
Duck 	Goat 	Duck 	Goat 	Spider 	Spider 
Bee 	Chicken 	Caterpillar 	Bee 	Chicken 	Bee 
Chicken 	Caterpillar 	Caterpillar 	Beetle 	Ladybird 	Goose 
Beetle 	Ladybird 	Beetle 	Ladybird 	Goose 	Goose 
Robin 	Great Tit 	Cat 	Robin 	Great Tit 	Robin 
Great Tit 	Cat 	Cat 	Duck 	Bee 	Spider 