

Food Collection 1

A Numicon addition and subtraction activity

What you will need

- One copy of each sheet per pair (**please note:** this is an A3 document and needs to be printed at 100%)
- Numicon Shapes 1–10
- Numicon Spinner with the Spinner Overlay cut from this sheet
- One basket cut from the Food Collection 1: Shopping Baskets sheet per player
- Numicon Coloured Counters to use on the game board

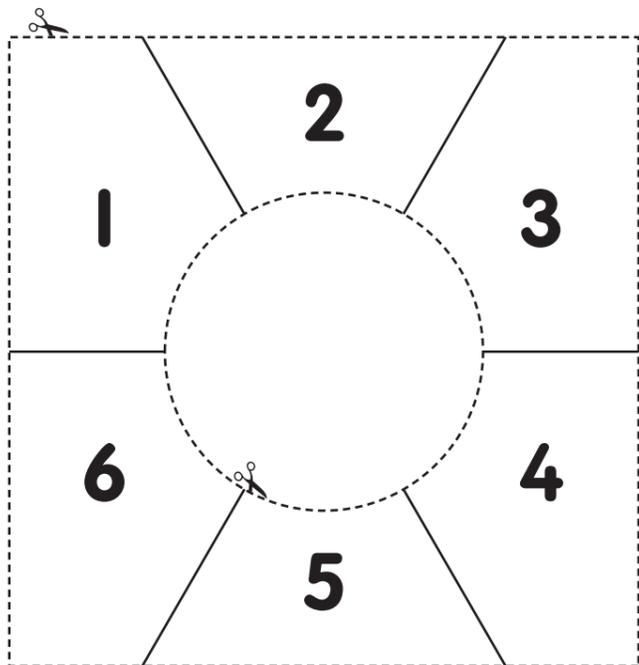
What to do

- Cut out the Numicon Shape 'shopping baskets' from the Shopping Baskets sheet, and give one to each child.
- You are collecting food on a shopping trip. Along the board are different foods to put in your basket.
- The aim of the game is to collect 10 items to put into your food basket.
- Take it in turns to spin the Spinner, and move that number of spaces along the game board. Read the space you have landed on and collect a Numicon Shape that represents the items indicated. For example, if you land on the square showing '3 apples', place a 3-shape into the basket.
- Exchange the Shapes each time you collect or remove items, so only one Shape is placed onto the basket per turn. For example, if you landed on 3 apples and put a 3-shape in your basket, then landed on 3 pears you would exchange the two 3-shapes for a 6-shape.
- If you drop items, exchange for a smaller Shape: for example, if you only had a 6-shape in your basket and landed on a 'drop 1' square, you would exchange the 6-shape for a 5-shape.
- Stop when you reach 10 items or more in your shopping basket.

Extensions and questions

- Repeat the activity to cover different number facts, aiming for a lower total.
- Repeat the activity with all number facts to 20 by using two 'shopping baskets' per player.
- Who has the most items after 3 turns?
- Who has the least number of items after 3 turns?
- How many more do you need to get to...?
- What number facts do you know by heart?
- If you added one more, how many would you have?

Spinner Overlay



Game Board

Start ➔	2 tins of soup 	3 apples 	You drop 1 item	1 pumpkin 	3 pears 	3 carrots 	2 parsnips 	You drop 2 items	1 bag of potatoes 	1 cabbage 	2 courgettes 	3 packets of biscuits
You drop 1 item												You drop 2 items
3 tomatoes 	1 box of cereal 	1 block of cheese 	2 tins of tuna 	You drop 2 items	1 bottle of orange juice 	1 loaf of bread 	1 cauliflower 	1 jar of jam 	You drop 3 items	1 pint of milk 	2 tins of peas 	2 lemons

Food Collection 1: Shopping Baskets

