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Gorgeous gemstones
Playing with piñatas
Busy bees
Cool constellations
Hop on the Hubble
Travelling by starlight
Hello to Halley's Comet
Word count
Sneaky snakes
Tricky tessellation
The unsinkable ship
Hop on a hovercraft
Slow sloths
The Great Wall of China
Feeding a baby
Terrific turtles
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Introduction

Maths Start-Ups is designed to help students practise math skills while gaining knowledge of the world they live in. This is accomplished by providing basic maths problems that relate to fun and interesting facts from real life.

The cards in each subject area (addition, subtraction and so on) are numbered. In general, the level of challenge rises as the numbers get larger.

The maths subject areas encompassed by the cards include:

- addition
- subtraction
- multiplication
- division
- geometry.

The answers are provided in the resource section, along with a student activity log. You can help students keep track of their progress by having them enter a card number into the check list after they have successfully completed the activity.

Using the cards

Icons appear on each card. These identify the mathematical operation being practised:



addition



subtraction



multiplication



division



geometry

There are at least three effective ways to use these cards. For an independent maths centre, copy and laminate the pages. Some teachers like to use a separate colour for each subject area: for example, blue for addition and green for subtraction. Cut the cards apart and place them in a shoe box or other container.

1 Adding oysters



Oysters are a type of mollusc that grow on oyster beds. An oyster bed can be natural or man-made. Man-made oyster beds are pieces of heavy string hung from wooden floats. These strings dangle in the water and oysters grow on them

Try this: A float has 6 strings hanging from it. On a single string, 20 oysters can grow. How many oysters can grow on the entire float?

Extra: An oyster farm is made of many oyster beds. An oyster farm has 15 beds similar to the one above. How many oysters can grow in this farm?



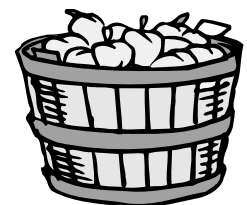
2 Growing Peaches



Peach farmers need to know how big their crop will be each year. This information allows them to predict how much money they will make. One way to calculate the size of the crop is to estimate how many peaches will grow on one tree, then count the number of trees.

Try this: A typical peach tree might grow 118 peaches. How many peaches would a farmer have if she had 2 of these trees?

Extra: A farmer has 2 peach trees and wants to add another 2 trees. How many peaches will she have?



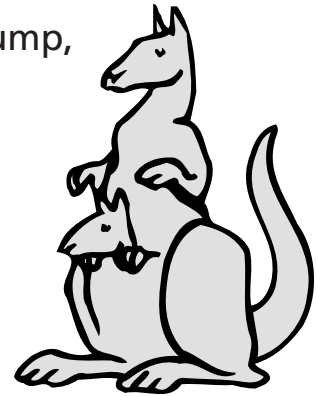
3 Red kangaroos



Red kangaroos are the largest type of kangaroo. They can grow up to 2 metres tall and can jump as far as 13 metres in a single hop.

Try this: If a red kangaroo jumps 13 metres in a jump, how far does it travel in 2 jumps?

Extra: Imagine you can jump as far as a red kangaroo. How far would you travel if you jumped 3 times?



4 Moon maths



There are nine planets in our solar system. The chart below lists the planets and how many moons they have.

Mercury	0	Venus	0	Earth	1
Mars	2	Jupiter	16	Saturn	18
Uranus	15	Neptune	8	Pluto	1

Try this: What is the total number of moons for the planets Saturn, Mars and Venus?

Extra: How many moons are there in our solar system?

