

Cover



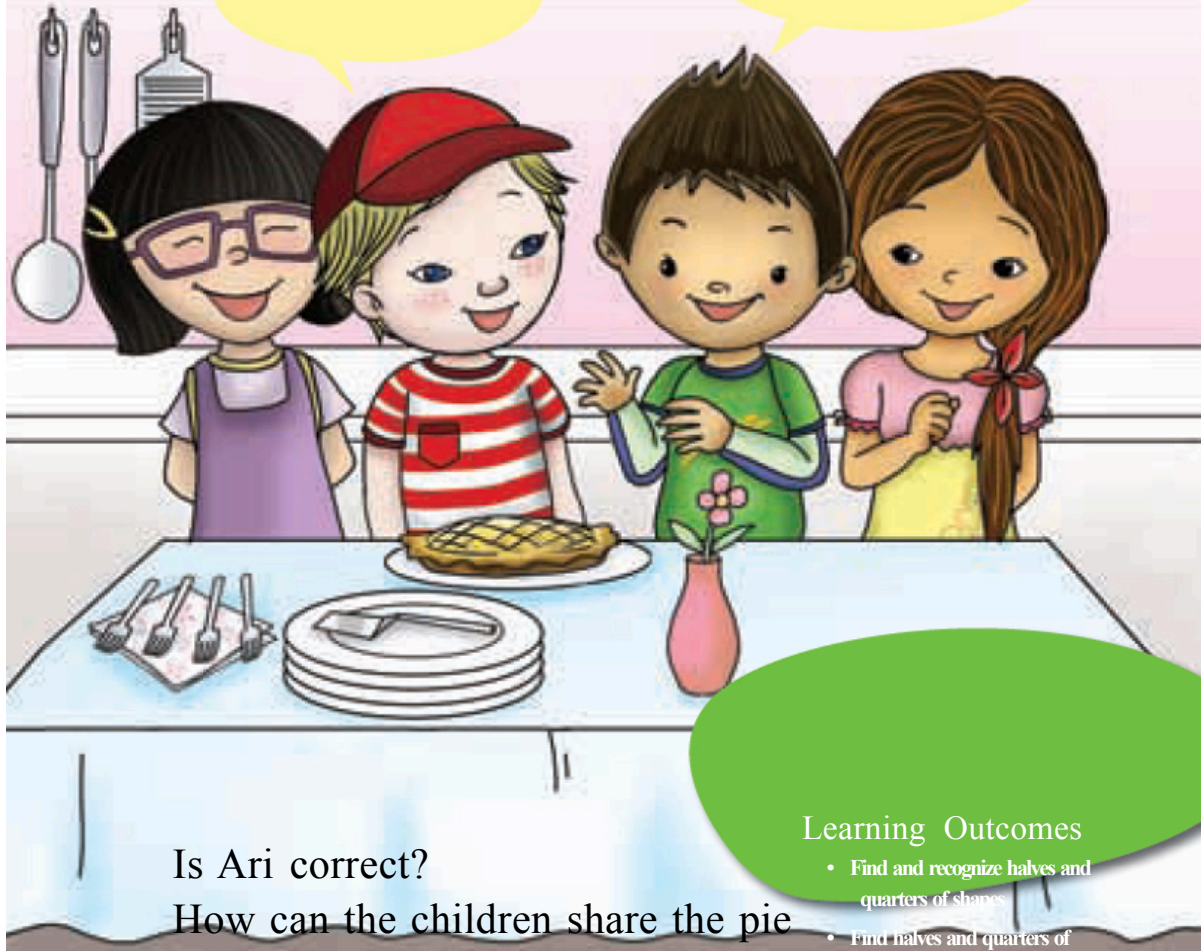
Chapter

4

Halves and Quarters

Let us share this pie equally.
How should we cut it?

I know!
Cut across the pie in the centre. You can then give one part to me.



Is Ari correct?
How can the children share the pie equally?

Learning Outcomes

- Find and recognize halves and quarters of shapes
- Find halves and quarters of

Finding halves and quarters of shapes

Halves of shapes

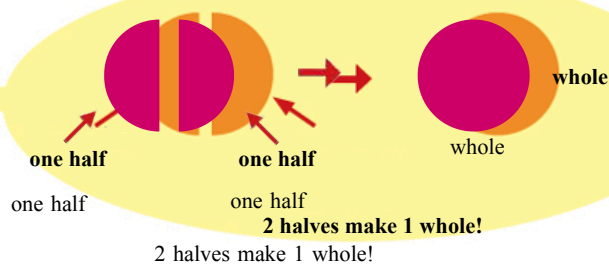
Do You
Remember?

Can you draw and name some of the shapes that you have learnt?

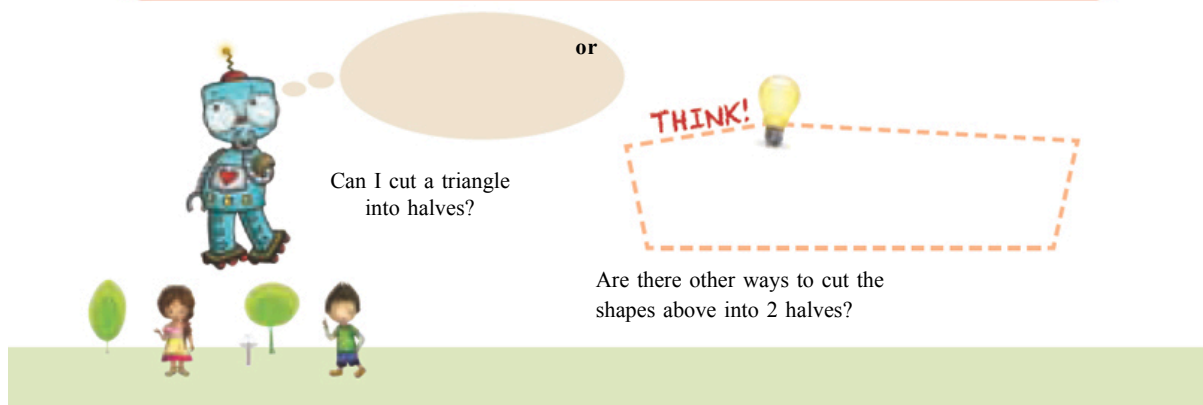
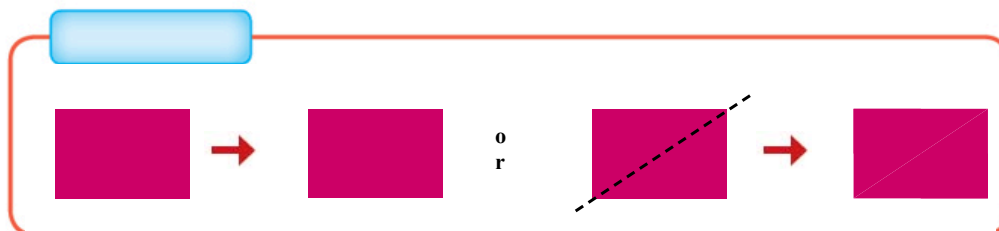
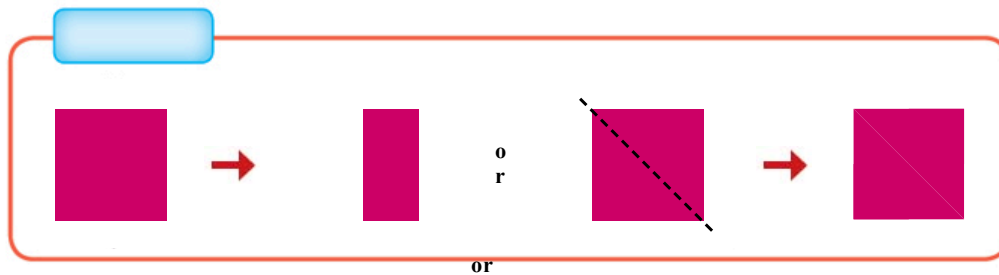
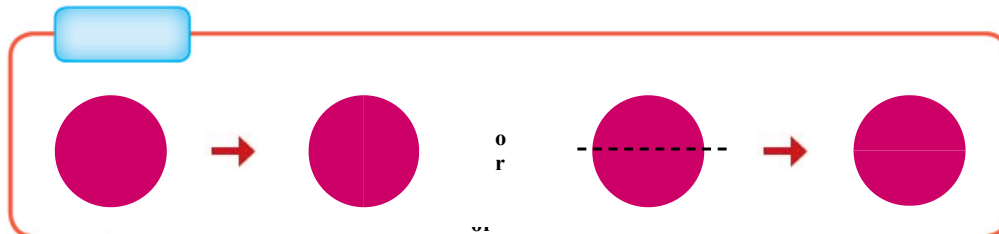


Look at this pizza. I can cut it as shown to get 2 pieces of the same shape and size.

We can say that the 2 pieces of pizza are **equal in shape and size**.
Each piece is **one half** of the **whole** pizza.



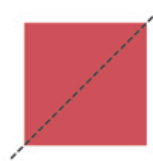
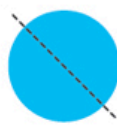
We have seen one way of how a circle can be cut into 2 equal parts. There are many ways to cut shapes into 2 equal parts. Some ways are shown in the pictures below.



If a shape is cut into 2 equal parts, then each equal part is **one half** of the shape. For each shape, the **2 halves** make **1 whole**.

Try This!

Are the shapes below cut into halves along the dotted line? Write **Yes** or **No** below each shape.



Fascinating Fact!
A piece of paper cannot be folded in half more than seven times. Try it!



Is Triangle A one half of a square?

half?

A



Movement

Living things can move on their own, but non-living things cannot.



⤴ A horse can run.



⤴ A wooden rocking horse cannot move on its own.

Sensitivity

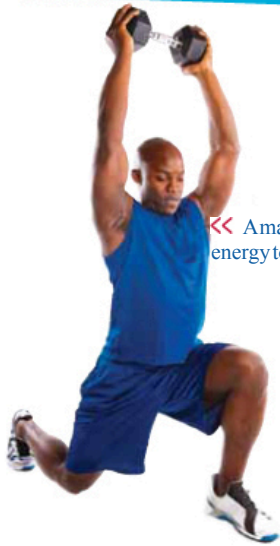
Living things can respond to changes around them, but non-living things cannot.



⤴ A boy can respond to a change in weather. Here, Ari is running for shelter to protect himself from the rain!

>> A statue cannot respond to protect itself from the rain.





<< A man can respire to produce energy to lift heavy weights.

Respiration

Living things can respire, but non-living things cannot.



<< A figurine cannot respire to produce energy to carry weights.

Excretion

Living things can excrete, but non-living things cannot.



^ This boy is sweating.



^ This garden decoration does not sweat, though it is under the hot sun.

Reproduction

Living things can reproduce, but non-living things cannot.



^ A female lion can produce young.



^ A toy lion cannot produce young.



⤴ A candle flame can flicker.
It seems to move on its own.

Analysing,
Communicating



⤴ Clouds in the sky can grow
bigger in size and move.

Discuss with your friends if a candle flame or clouds are living things. Give reasons to support your opinion.



Now consider a car. Which life processes does a car seem to have? How can you tell whether a car is a living thing or a non-living thing?

>> Workbook Activity

Activity 7: Same But Different!

Activity 8: A Diversity of Things



Can you remember what these new words mean? Pair up with a friend and test each other on these words!

Chlorophyll	flowering plant	movement	respond
energy	fruit	non-flowering plant	seed
excretion	growth	nutrition	sensitivity
extinct	life process	reproduction	spore

fern

moss

respiration

stomata



Map It Out

