Making Equal Parts

Lesson 1

In Focus

4 children need to share this piece of art paper equally.
How can they do it?

Let's Learn

When you fold it, one piece can overlap each of the other pieces exactly.

1  The pieces are equal parts.

Another way is  but this is the same way as before.

2  Are the pieces equal parts?

When you fold, do the pieces overlap exactly?

Parents, please discuss the information on these pages with your children and then help them to do the Guided Practice questions. You can then correct them if they have not understood. The grey Workbook pages should be completed by the children as independently as possible and will be checked by their teacher. Please read any instructions carefully to know how to answer specific questions.

If you can, please give your child some paper shapes to fold in different ways to make equal parts.

3  Are the pieces equal parts?

When you fold, do the pieces overlap exactly?

4  Are the pieces equal parts?

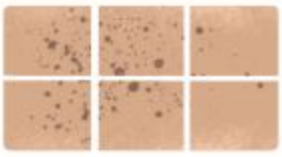
I need to cut the pieces to show they overlap exactly.

5  Are the pieces equal parts?

Guided Practice

1 Which are cut into equal parts?



Fractions

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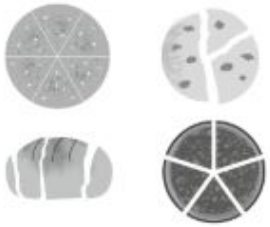
Name: _____ Class: _____ Date: _____

Worksheet 1

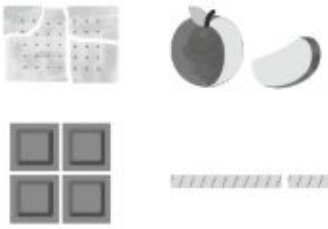
Making Equal Parts

1 Circle the objects that are cut into equal parts.

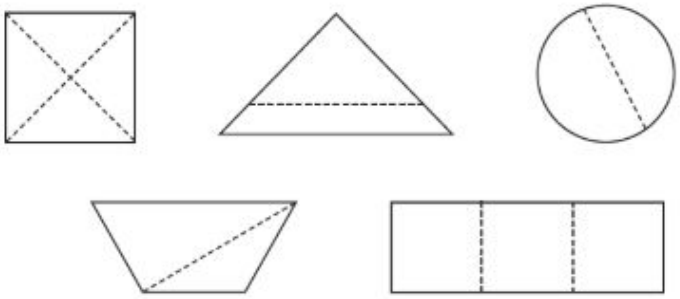
(a)



(b)



2 Cross out the shapes that do not have equal parts.



1. **Answer by writing the names of the objects that are cut into equal parts.**

1a) _____

1b) _____

2. **Answer by writing the names of the shapes that DO NOT have equal parts.**

2. _____

Showing Half and Quarter

Lesson 2

In Focus

How can Ravi and Hannah share the cake equally?

Let's Learn

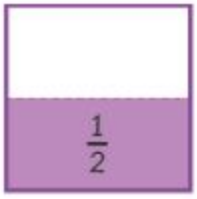
1

Each piece is half of the whole cake.
Each piece is 1 part out of 2 equal parts.
We write it as $\frac{1}{2}$.

2 Fold a square piece of paper into 2 equal parts.

Are there other ways to fold the paper into halves?

Unfold and shade 1 part.

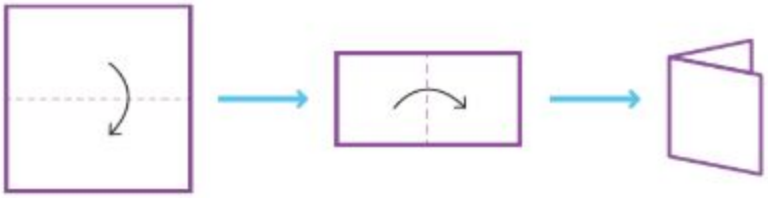


1 part out of 2 equal parts of the square is shaded.

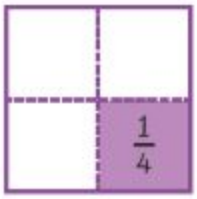
$\frac{1}{2}$ of the square is shaded.

One half of the square is shaded.

3 Fold another square piece of paper into 4 equal parts.



Unfold and shade 1 part.



1 part out of 4 equal parts of the square is shaded.

$\frac{1}{4}$ of the square is shaded.

One quarter of the square is shaded.

There are 4 equal parts. The name of each part is a quarter or fourth.

Are there other ways to fold the paper into quarters?

We also read $\frac{1}{4}$ as one fourth.

1 is pronounced one half.

2

What do two halves make?

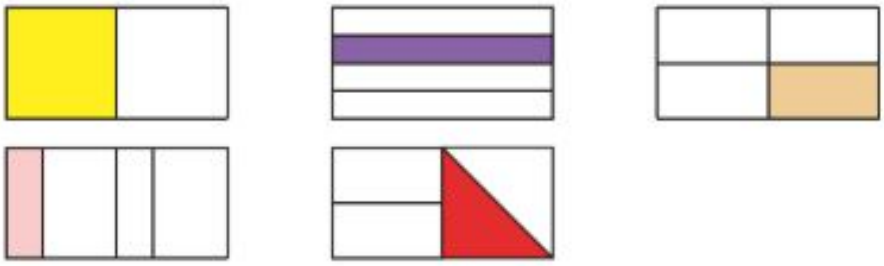
$\frac{1}{4}$ is pronounced as one quarter.

What happens if you shade in another quarter?

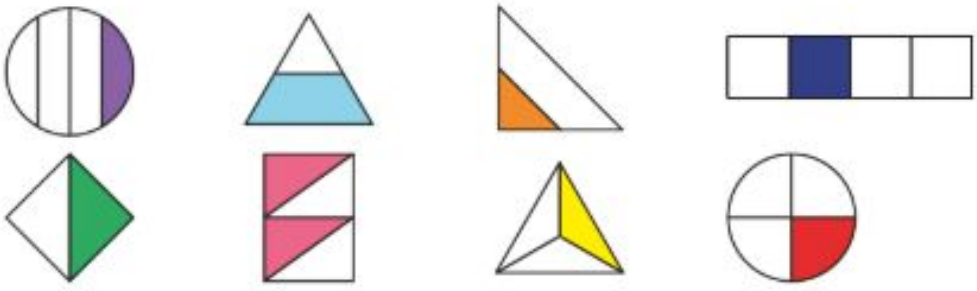
Guided Practice

1. Which pictures show $\frac{1}{2}$ of the shape shaded?

2. Which pictures show $\frac{1}{4}$ of the shape shaded?



3. Which pictures show $\frac{1}{2}$ or $\frac{1}{4}$ of the shape shaded?

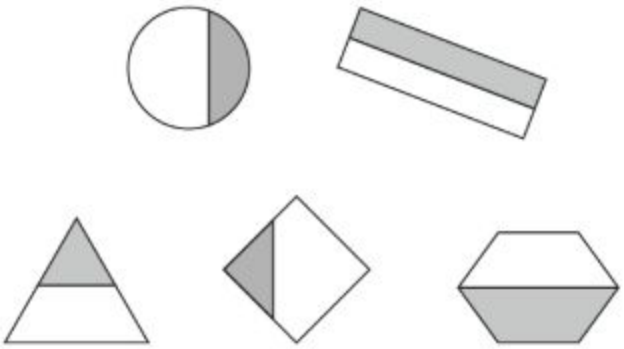


Have a discussion about these with your parents or other family members.

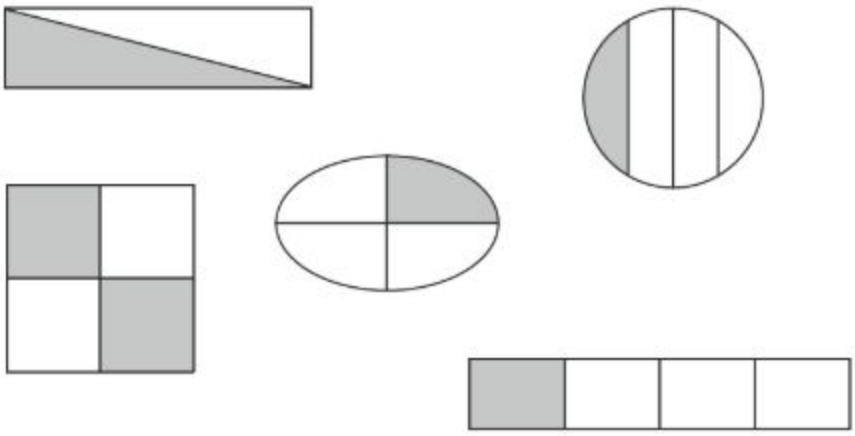
Worksheet 2

Showing Half and Quarter

1 Circle the pictures that show half of the shape shaded.



2 Circle the pictures that show $\frac{1}{4}$ of the shape shaded.



1. Answer by writing the names of the shapes that show half shaded.

1. _____

2. Answer by writing the names of the shapes that show one quarter shaded. (Be specific about the rectangles, i.e. top or bottom rectangle)

2. _____

Challenge: If you can, ask your parents to print this out so you can have a go. You do not need to submit it unless you really want to show your teacher.

Use different colours to show how this shape can be split into equal parts. Show different ways on each shape.