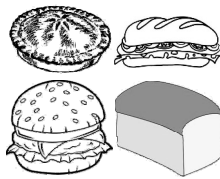


## Maths is all around us: Sharing and fractions in the real world



Buy a loaf of bread, pizza, pie or cake, bake a giant cookie or other item. Cut the food into a certain number of equal pieces for different numbers of people to share i.e. into 2, 3, 4 or 5.

**TIP:** try to cut different shapes of food, not just food that is round in shape

### SHARING: CHOCOLATE



I have ten bars of chocolate, and I share them **equally** between four people. How much will they each get?

I have ten bars of chocolate, and I share them equally between four people. How much will they each get if I **DON'T** break the bars into pieces?

### SHARING: MONEY

I have **R200**.  
What is  $\frac{1}{2}$  of that?  
What is  $\frac{1}{4}$ ,  $\frac{3}{4}$ ?



I have **R100**. What is  $\frac{1}{2}$  of that? What is  $\frac{1}{4}$ ,  $\frac{3}{4}$ ?



I have **R50**. What is  $\frac{1}{2}$  of that? What is  $\frac{1}{4}$ ,  $\frac{3}{4}$ ?

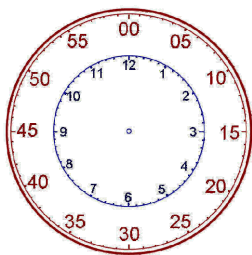


**SHARING**

*Talk with your children about sharing. For example, can we share a jersey, a pair of shoes, a bed, a glass of milk ...?*

### TIME AND FRACTIONS

We often talk about  $\frac{1}{2}$  an hour or a  $\frac{1}{4}$  of an hour. Talk with your children about what these are fractions of, how many minutes are there in  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$  of an hour etc.



Use this clock to practice dividing into fractions of an hour.

### FRACTIONS: EVERYDAY WAYS OF USING "HALF"

$\frac{1}{2}$  With your child, brainstorm all the different ways we use "half" in our lives.

Encourage them to think about the things we normally divide in half (oranges), places where we see the idea being used (for example during sports events) etc.

**1/2 PRICE**

### FLAGS OF THE WORLD: FRACTIONAL DESIGNS

Have your child look at the flags printed here to decide which are divided into halves, thirds, fourths (quarters) or other fractions. Some will be more challenging than others but encourage them to try and describe what the fractional parts are. Have them cut the flags out and sort them into different fraction categories. For example: flags in halves, quarters, thirds and so on.



### MAKE IT COUNT

Everyday we share food and other items between us. In our everyday language we talk about fractions without really being aware that we are doing so. This week our ideas range from sharing food which offers a wonderful way for children to work directly with fractions to how we use fractions in everyday language and situations. Next week we look at using maths for shopping and eating out.

If you missed last year's resources, these can be downloaded from:

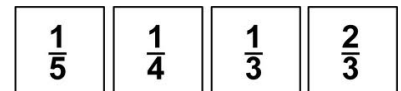
[www.grocotts.co.za/blogs/ukufunda](http://www.grocotts.co.za/blogs/ukufunda)



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### FRACTION SCAVENGER HUNT



Work with your child to find written fraction symbols in newspapers, on signs, in books and magazines and on TV. Talk about the way they are being used.

A set of measuring cups or spoons are a good way to talk about fractions and how these relate to liquid measures such as millilitres.



**ANSWERS:**  
Chocolate:  $2\frac{1}{2}$  bars or 2 bars each  
Time:  $\frac{1}{2}$  hour = 30,  $\frac{1}{4}$  hour = 15,  $\frac{3}{4}$  hour = 45

Money	R200	R100	R50
$\frac{1}{2}$ of	R100	R50	R25
$\frac{1}{4}$ of	R50	R25	R12.50
$\frac{3}{4}$ of	R150	R75	R37.50