

Introduction

These lessons introduce children to one third, three quarters and the equivalence of two quarters with one half. Children explore these fractions, along with deepening their knowledge of halves and quarters in the context of shapes, objects and quantities. They learn to write simple fractions by counting the equal sized groups and they reason about what is and what is not a fraction.

Resources

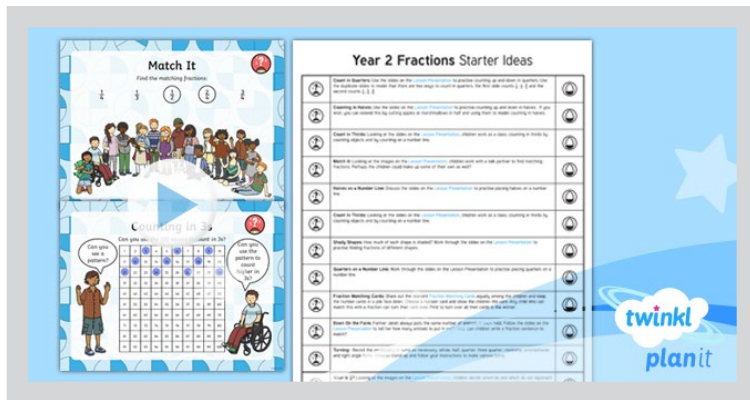
In addition to standard maths resources, you will need:

- chopped fruit and kebab sticks for Write Simple Fractions (2) (optional)
- marshmallows or apples for Find and Name Fractions (2) (optional)

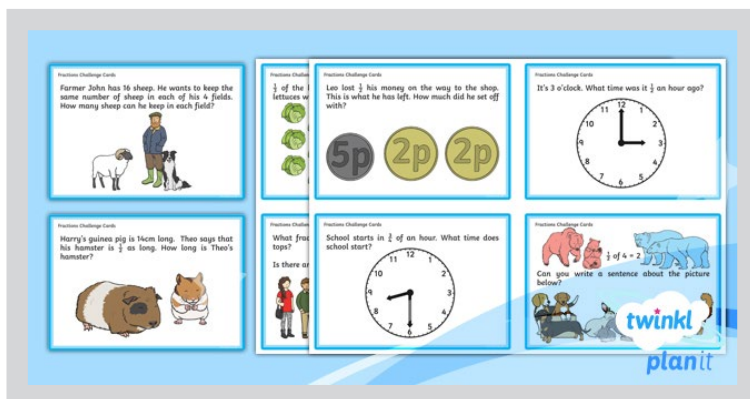


Solvet Lesson Pack: The Big Question?

How many biscuits shall I bake? Enter the world of Betty and Bert's biscuit factory, where the machine is very hard to adjust! Children help Betty and Bert, by finding what numbers to programme into the machine. They explore numbers that will halve and quarter, and reason about why.



Starter Ideas



Challenge Cards

Assessment Statements

By the end of this unit...

...all children should be able to:

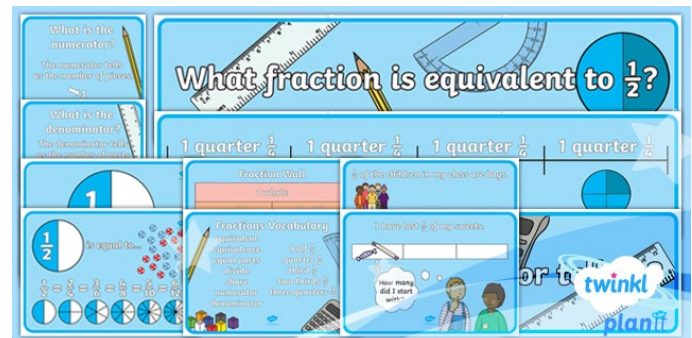
- find half and then half again, to find one quarter;
- put three of the four groups together to make three quarters;
- share objects into three groups to find one third;
- recognise that half and two quarters look the same when coloured on a shape;
- explain what is and what is not half.

...most children will be able to:

- name half, quarter, two quarters, three quarters and one third;
- recognise the equivalence of half and two quarters;
- write a simple fraction sentence for half and one quarter;
- explain that a fraction has been divided into equal groups;
- count in halves.

...some children will be able to:

- find a whole amount from knowing a fraction;
- explain how they can find the full amount from a fraction;
- write fraction sentences for one third and three quarters;
- count in quarters;
- count in thirds;
- place halves and quarters on a number line.



Display Pack

Lesson Breakdown

Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.

1. Find and Name Fractions (1)

Finding Quarter and Three Quarters

I can find $\frac{1}{4}$ and $\frac{3}{4}$ of a set of objects or quantity.

2. Find and Name Fractions (2)

Understanding Thirds

I can find $\frac{1}{3}$.

3. Find and Name Fractions (3)

Finding One Third

I can find $\frac{1}{3}$ of a shape, set of objects or quantity.

4. Fractions of a Quantity

Finding Fractions of Lengths

I can find $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ or $\frac{1}{3}$ of a length.

5. Fractions of a Shape or Set of Objects (1)

Shading Shapes

I can find $\frac{1}{2}$, $\frac{2}{4}$ or $\frac{3}{4}$ of a shape.

6. Fractions of a Shape or Set of Objects (2)

Fractions of Shapes

I can find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{2}{4}$ or $\frac{3}{4}$ of a shape.

7. Fractions of a Shape or Set of Objects (3)

Fractions of a Set of Objects

I can find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{2}{4}$ or $\frac{3}{4}$ of a set of objects.

8. Fractions of a Shape or Set of Objects (4)

Comparing Fractions

Compare different fractions to find the largest amounts.

9. Reasoning About Fractions

Sorting Fractions

Recognise and sort fractions and reason about decisions.

Home Learning: Find the Fraction

Children colour $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, or $\frac{3}{4}$ of a shape or group of objects and solve simple fraction puzzles.

10. Equivalence (1)

Do Two Quarters Equal One Half?

I can recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$.

11. Equivalence (2)

Finding the Full Amount

I can find the full amount from knowing the fraction.

12. Write Simple Fractions (1)

Writing Half and Quarter

I can write simple fractions $\frac{1}{2}$ and $\frac{1}{4}$.

13. Write Simple Fractions (2)

Writing More Fractions

I can write simple fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$.

Home Learning: Halves and Quarters

Children colour different fractions to recognise equivalence, find different fractions of objects and write the fraction.

Child Friendly