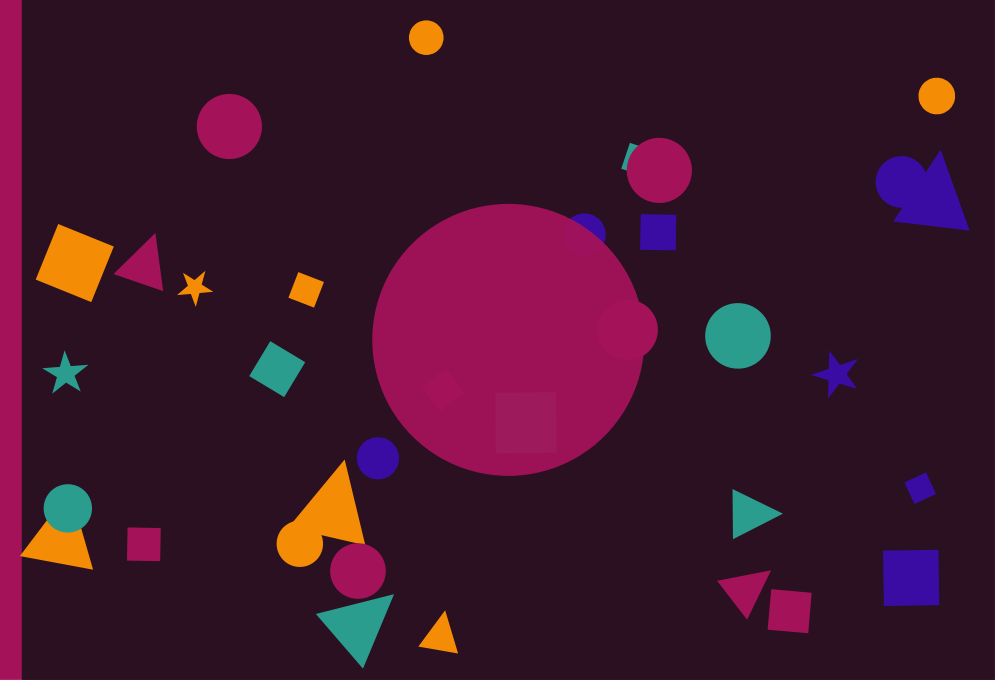


MATHEMATICS • CLASS 5

# Fractions Made Easy



Parts of a whole, equivalent fractions and comparing

Teacher Name • 5 • 40 minutes

# Lesson plan

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**01** Warm-up

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**02** Learn

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**03** Explore

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**04** Practise

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Image

# 01

## WARM-UP

# Learning objectives

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- Understand a fraction as part of a whole
- Find equivalent fractions
- Compare fractions
- Use fractions in everyday problems

YOU ALREADY KNOW

**How to divide a shape into equal parts.**



**If you share one pizza  
with three friends, how  
much does each of you  
get?**

Think about it

**02**

**LEARN**

# What is a fraction?

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**A fraction shows equal parts of a whole.**

The bottom number (denominator) tells how many equal parts the whole is cut into. The top number (numerator) tells how many parts we take.



Diagram / picture

# Key terms

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01

## Numerator

The number of parts we take.

02

## Denominator

The number of equal parts in the whole.

03

## Equivalent

Different fractions with the same value.

# Finding equivalent fractions

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**01 Pick**

Start with  $\frac{1}{2}$

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**02 Multiply**

Top and bottom by the same number

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**03 Check**

$\frac{2}{4}$ ,  $\frac{3}{6}$ ,  $\frac{4}{8}$  all equal  $\frac{1}{2}$

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**04 Draw**

Shade shapes to prove it

# Comparing with one half

| Fraction | Picture             | Compared with 1/2 |
|----------|---------------------|-------------------|
| 1/4      | One of four parts   | Smaller           |
| 3/4      | Three of four parts | Bigger            |
| 2/4      | Two of four parts   | Equal             |

*Draw each fraction to check.*

**03**

**EXPLORE**

# Did you know?

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**1/2**

the most common  
fraction in recipes

**100**

hundredths make one  
whole

**4,000**

years of fractions in  
history

# Real-life examples

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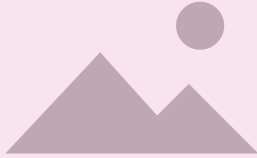


Image 1

## Sharing food

Pizza, rotis and fruit



Image 2

## Time

Half an hour, quarter past



Image 3

## Money

50 paise is half a rupee

# Proper vs improper

## Proper

- Numerator smaller
- Less than one whole
- e.g.  $\frac{3}{5}$

vs

## Improper

- Numerator bigger
- More than one whole
- e.g.  $\frac{7}{4}$

# 04

# PRACTISE

# Check your understanding

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- Which is bigger:  $\frac{3}{8}$  or  $\frac{5}{8}$ ?
- Write two fractions equal to  $\frac{1}{3}$
- What fraction of an hour is 15 minutes?
- Shade  $\frac{2}{5}$  of a rectangle



Image

# Activity time

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01

## Fraction strips

Cut strips into halves, quarters and eighths.

02

## Pizza maths

Share paper pizzas fairly.

03

## Fraction hunt

Find fractions around the classroom.

# Homework

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- Exercise 4.2, questions 1–6
- Find three fractions at home and draw them
- Make a fraction wall chart



Image

# Great work today!

Next lesson: Adding fractions

Teacher Name

Class 5

