

LEAF

PERCENTAGES

TEACHER'S GUIDE



This activity will get students sorting leaves and looking at different percentages as well as getting them to convert between percentages, decimals, and fractions.

Teaching Structure:

Before this activity students need to have an input on working out fractions and converting them to percentages and decimals.

- Take students outside and ask them to collect the specified number of leaves (ability dependent).
- Get them to complete the table by sorting out the leaves into certain groups before working out the fraction, percent, and decimal.

This pack contains 4 levels of differentiation.

Diff.1: Students will work out the percentage after collecting 10 leaves and sorting them into groups.

Diff. 2: Students will work out the fraction, percent, and decimal after collecting 10 leaves and sorting them into groups.

Diff. 3: Students will work out the fraction, percent, and decimal after collecting 20 leaves and sorting them into groups.

Diff. 4: Students will work out the fraction, percent, and decimal after collecting 15 leaves and sorting them into groups.



Math: Fractions, Percentages & Decimals

Name: _____

Collect 10 leaves and complete the table below.

| What percentage are: | Percentage |
|----------------------|------------|
| Green | |
| Brown | |
| Small | |
| Pointy | |
| Smooth | |

Write the percentage of brown leaves as a decimal: _____

Collect 20 leaves, with 60 percent of them being green. How many green leaves have you collected? _____





Math: Fractions, Percentages & Decimals

Name: _____

Collect 10 leaves and complete the table below.

| What fraction are: | Fraction | Percentage | Decimal |
|--------------------|----------|------------|---------|
| Green | | | |
| Brown | | | |
| Small | | | |
| Pointy | | | |
| Smooth | | | |

Collect 25 leaves, with 60 percent of them being green. How many green leaves have you collected? _____





Math: Fractions, Percentages & Decimals

Name: _____

Collect 20 leaves and complete the table below.

| What fraction are: | Fraction | Percentage | Decimal |
|--------------------|----------|------------|---------|
| Green | | | |
| Brown | | | |
| Small | | | |
| Pointy | | | |
| Smooth | | | |

Collect 15 leaves, with 60 percent of them being green. How many green leaves have you collected? _____





Math: Fractions, Percentages & Decimals

Name: _____

Collect 15 leaves and complete the table below.

| What fraction are: | Fraction | Percentage | Decimal |
|--------------------|----------|------------|---------|
| Green | | | |
| Brown | | | |
| Small | | | |
| Pointy | | | |
| Smooth | | | |

Collect 35 leaves, with 60 percent of them being green. How many green leaves have you collected? _____

