Unit Fractions

Apply the skill to decisions and designs

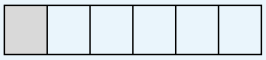
Name _____ **Date** _____ **Score** _____ / 6

QUICK REVIEW

A unit fraction has numerator 1. Divide one whole into equal parts; the denominator counts all those parts. If a strip has 4 equal pieces, one piece is $\frac{1}{4}$, and 4 such pieces rebuild the whole. Unequal pieces cannot all have the same unit-fraction name.

Worked example

Name the shaded part of this whole as a unit fraction.



1. The whole is divided into 6 equal parts.

2. Exactly 1 part is shaded, so the shaded amount is $\frac{1}{6}$ of the whole.

Answer: $\frac{1}{6}$.

Practice Problems

Show your thinking.

1. Make a paper strip for 8 equal shares. Draw the cuts and shade one share. Label its fraction.

2. One loaf is shared equally by 4 children. What fraction of the loaf does each child receive?

3. A whole sandwich has 6 equal pieces. One piece is eaten. Name the unit fraction eaten and count pieces left.

4. Two same-size ribbons are cut into 3 equal pieces and 5 equal pieces. Which gives a larger single piece?

5. A whole sandwich has 2 equal pieces. One piece is eaten. Name the unit fraction eaten and count pieces left.

6. Make a paper strip for 6 equal shares. Draw the cuts and shade one share. Label its fraction.

Answer Key

1. 8 equal pieces; one share is $\frac{1}{8}$.
2. $\frac{1}{4}$ of the loaf.
3. $\frac{1}{6}$ eaten; 5 pieces left.
4. $\frac{1}{3}$ is larger than $\frac{1}{5}$.
5. $\frac{1}{2}$ eaten; 1 pieces left.
6. 6 equal pieces; one share is $\frac{1}{6}$.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. 8 shares need 7 interior cuts in a straight strip.

2. Each share is 1 of the 8 equal parts, so label the shaded piece $\frac{1}{8}$.

Problem 2

1. Equal sharing cuts the single whole into 4 equal pieces.

2. Each child gets 1 piece, or $\frac{1}{4}$; all 4 pieces together make 1 loaf.

Problem 3

1. One of 6 equal pieces is $\frac{1}{6}$ of the sandwich.

2. Pieces left: $6 - 1 = 5$. These are pieces, not 5 whole sandwiches.

Problem 4

1. The first ribbon has 3 pieces; the second has 5 pieces in the same length.

2. More equal pieces must be smaller, so one of 3 pieces is larger than one of 5.

Problem 5

1. One of 2 equal pieces is $\frac{1}{2}$ of the sandwich.

2. Pieces left: $2 - 1 = 1$. These are pieces, not 1 whole sandwiches.

Problem 6

1. 6 shares need 5 interior cuts in a straight strip.

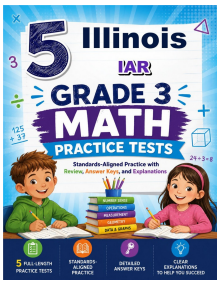
2. Each share is 1 of the 6 equal parts, so label the shaded piece $\frac{1}{6}$.

TESTINAR

Keep Building Grade 3 Math Skills

Choose the practice book matched to your state assessment and turn worksheet practice into a complete test-prep plan.

All Grade 3 books



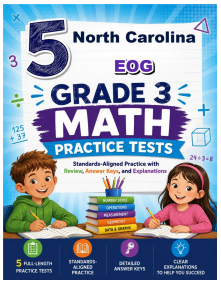
ILLINOIS IAR

5 Full-Length Math Practice Tests

Build Grade 3 accuracy, confidence, and test stamina with 5 printable practice tests.

Printable eBook • Instant PDF access

View eBook



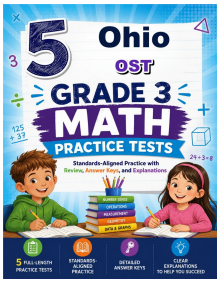
NORTH CAROLINA EOG

5 Full-Length Math Practice Tests

Build Grade 3 accuracy, confidence, and test stamina with 5 printable practice tests.

Printable eBook • Instant PDF access

View eBook



OHIO OST

5 Full-Length Math Practice Tests

Build Grade 3 accuracy, confidence, and test stamina with 5 printable practice tests.

Printable eBook • Instant PDF access

View eBook

Need a different state?
Testinar has Grade 3 math practice books for state assessments across the country.

TESTINAR.COM/GRADES/3