

Equivalent Fractions

4.NF.A.1

Name _____ Date _____

Show your work in the space provided. Multiply or divide the numerator and denominator by the same number to make equivalent fractions.

1. Fill in the blank to make an equivalent fraction: $\frac{1}{2} = \frac{?}{4}$.

2. Fill in the blank: $\frac{1}{3} = \frac{?}{9}$.

3. Fill in the blank: $\frac{2}{5} = \frac{?}{10}$.

4. Fill in the blank: $\frac{3}{4} = \frac{?}{12}$.

5. Write an equivalent fraction for $\frac{2}{3}$ that has a denominator of 6.

6. Simplify $\frac{6}{8}$ by dividing the numerator and denominator by the same number.

7. Simplify $\frac{4}{12}$ to lowest terms.

8. Simplify $\frac{10}{15}$ to lowest terms.

9. Are $\frac{3}{5}$ and $\frac{9}{15}$ equivalent? Explain how you know.

10. Are $\frac{2}{3}$ and $\frac{6}{8}$ equivalent? Explain how you know.

11. Which fraction is equivalent to $\frac{4}{6}$?

A) $\frac{2}{3}$
C) $\frac{4}{8}$

B) $\frac{3}{4}$
D) $\frac{5}{6}$

12. Find the missing number: $\frac{5}{6} = \frac{15}{?}$.

13. Maya colored $\frac{1}{4}$ of her grid. Liam colored $\frac{3}{12}$ of an identical grid. Did they color the same amount? Explain.

14. A pizza is cut into 8 equal slices and 4 are eaten. Write the eaten part as a fraction, then write it in lowest terms.

15. Owen says $\frac{2}{3}$ of a book equals $\frac{8}{12}$ of the same book. Use equivalent fractions to check whether he is correct.