

Grade 4 - Equivalent Fractions - Worksheet

Common Core 4.NF.A.1 · maths-pdf.fr/en/

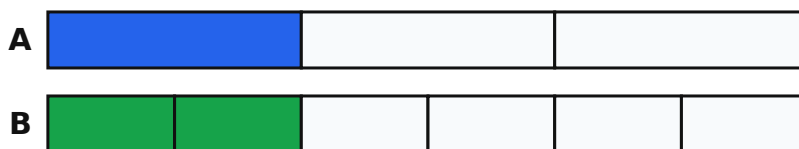
Name: _____ Class: _____ Date: ____/____/____

This worksheet has 20 problems on equivalent fractions with denominators such as 2, 3, 4, 5, 6, 8, 10, 12 and 100. Problems use fraction strips, number lines and word problems (Common Core 4.NF.A.1).

Grade 4 · Common Core State Standards: **4.NF.A.1**

Exercise 1 - Matching strips

Write the fraction shaded in each strip. Are the two fractions equal?



Strip A and strip B.

Exercise 2 - Halves to sixths

Write a fraction equal to $\frac{1}{2}$ that has denominator 6.

Exercise 3 - Thirds to twelfths

Find the missing number: $\frac{2}{3} = \frac{?}{12}$.

Exercise 4 - Fourths to eighths

Find the missing number: $\frac{3}{4} = \frac{?}{8}$.

Exercise 5 - Fifths to tenths

Find the missing number: $\frac{1}{5} = \frac{?}{10}$.

Exercise 6 - Divide to match

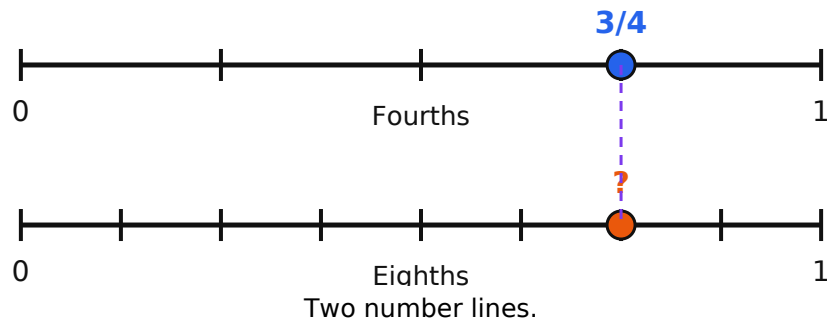
Find the missing number: $\frac{4}{6} = \frac{?}{3}$.

Exercise 7 - Find the denominator

Find the missing number: $\frac{6}{80} = \frac{3}{?}$.

Exercise 8 - Number line match

The dot on the top number line is at $\frac{3}{4}$. Write the fraction at the dot on the bottom number line.



Exercise 9 - Tenths and hundredths

Write $\frac{2}{5}$ as an equivalent fraction with denominator 10 and with denominator 100.

Exercise 10 - Tenths to hundredths

Write $\frac{3}{10}$ as hundredths.

Exercise 11 - Is it equal?

Is $\frac{5}{6}$ equal to $\frac{10}{12}$? Explain.

Exercise 12 - Not equal

Is $\frac{3}{8}$ equal to $\frac{6}{12}$? Explain.

Exercise 13 - Pick the match

Which fraction is equivalent to $\frac{9}{12}$: $\frac{2}{3}$, $\frac{3}{4}$, or $\frac{4}{5}$?

Exercise 14 - Smaller denominator

Write $\frac{8}{12}$ as an equivalent fraction with denominator 3.

Exercise 15 - Pizza share

Maya ate $\frac{2}{4}$ of a pizza. Jamal ate $\frac{4}{8}$ of an identical pizza. Did they eat the same amount?



Two identical pizzas shown as strips.

Exercise 16 - Field in twelfths

A groundskeeper mowed $\frac{3}{4}$ of the Little League field. He marks the field in twelfths. Write $\frac{3}{4}$ as twelfths.

Exercise 17 - Dimes in a dollar

Sofia has 3 dimes. A dime is $\frac{1}{10}$ of a dollar. What fraction of a dollar is 3 dimes? Write it in tenths and in hundredths.

Exercise 18 - Milk scoops

A recipe needs $\frac{2}{3}$ cup of milk. Ethan only has a $\frac{1}{6}$ -cup scoop. How many scoops does he need?



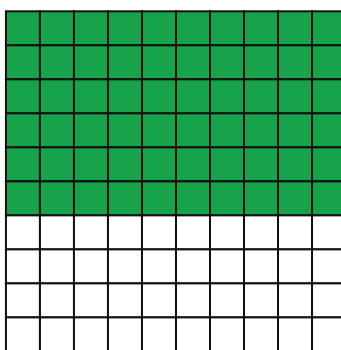
Two thirds of a cup compared with sixths.

Exercise 19 - Diego's list

Diego says that $\frac{2}{3}$, $\frac{4}{6}$, $\frac{6}{9}$ and $\frac{8}{12}$ are all equivalent. Is he right? Explain with multiplication.

Exercise 20 - Garden plan

Aisha plants tomatoes in $\frac{3}{10}$ of her garden. The garden is divided into 10 equal sections and also into a 100-square grid. Write $\frac{3}{10}$ as tenths and as hundredths. How many of the 100 squares have tomatoes?



The 100-square grid.