

Grade 4 - Adding and Subtracting Fractions and Mixed Numbers - Worksheet

Common Core 4.NF.B.3a, 4.NF.B.3b, 4.NF.B.3c, 4.NF.B.3d · maths-pdf.fr/en/

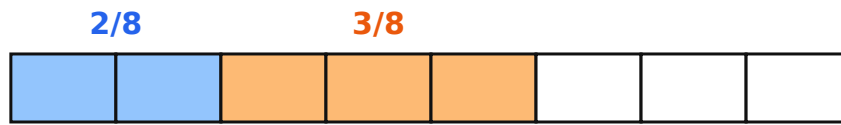
Name: _____ Class: _____ Date: ____/____/____

This worksheet has 20 problems on adding and subtracting fractions with like denominators. Problems cover decomposing fractions, mixed numbers, improper fractions and word problems with tape diagrams (Common Core 4.NF.B.3).

Grade 4 · Common Core State Standards: **4.NF.B.3a, 4.NF.B.3b, 4.NF.B.3c, 4.NF.B.3d**

Exercise 1 - Add eighths

Add. Use the strip to help.



5 of 8 equal parts are shaded in all

A strip cut into eighths.

$$\frac{2}{8} + \frac{3}{8}$$

Exercise 2 - Add tenths

Add: $\frac{4}{10} + \frac{5}{10}$.

Exercise 3 - Subtract twelfths

Subtract: $\frac{7}{12} - \frac{2}{12}$.

Exercise 4 - Subtract tenths

Subtract: $\frac{9}{10} - \frac{4}{10}$.

Exercise 5 - Unit fractions

Write $\frac{3}{4}$ as a sum of unit fractions.

Exercise 6 - Decompose five sixths

Write $\frac{5}{6}$ as a sum of two fractions in two different ways.

Exercise 7 - Sum greater than 1

Add: $\frac{5}{8} + \frac{6}{8}$. Write the answer as a mixed number.

Exercise 8 - Mixed number to fraction

Write $2\frac{1}{3}$ as an improper fraction.



2 wholes and 1/3

2 wholes and 1 third.

Exercise 9 - Fraction to mixed number

Write $\frac{11}{4}$ as a mixed number.

Exercise 10 - Add mixed numbers

Add: $1\frac{2}{5} + 2\frac{1}{5}$.

Exercise 11 - Regroup after adding

Add: $3\frac{5}{6} + 1\frac{4}{6}$.

Exercise 12 - Subtract mixed numbers

Subtract: $4\frac{7}{8} - 2\frac{3}{8}$.

Exercise 13 - Subtract with regrouping

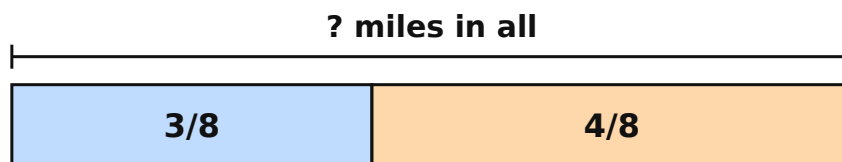
Subtract: $5\frac{1}{4} - 2\frac{3}{4}$.

Exercise 14 - Whole minus mixed

Subtract: $6 - 2\frac{3}{5}$.

Exercise 15 - Weekend runs

Maya ran $\frac{3}{8}$ mile on Saturday and $\frac{4}{8}$ mile on Sunday. How far did she run in all?



A tape diagram of the two runs.

Exercise 16 - Pizza left

The Rivera family ordered a pizza cut into 12 equal slices. They ate $\frac{5}{12}$ of the pizza. How much is left?



5 of 12 slices eaten

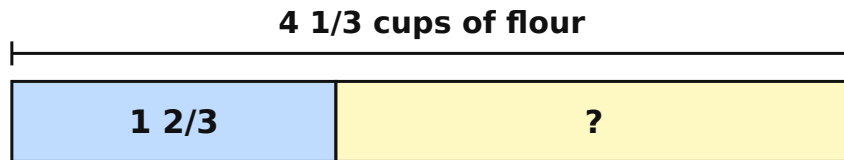
A pizza as a strip.

Exercise 17 - Two boards

Jamal has a board $2\frac{3}{10}$ feet long and another board $1\frac{8}{10}$ feet long. How long are the boards together?

Exercise 18 - Flour left

Priya has $4\frac{1}{3}$ cups of flour. She uses $1\frac{2}{3}$ cups for muffins. How much flour is left?



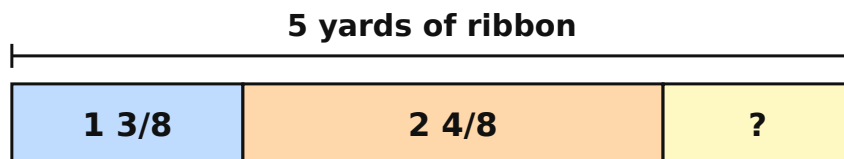
A tape diagram of the flour.

Exercise 19 - Ethan's walk

Ethan walks $1\frac{1}{4}$ miles to the park, $2\frac{2}{4}$ miles to the library and $1\frac{3}{4}$ miles home. How far does he walk in all?

Exercise 20 - Ribbon

Sofia has 5 yards of ribbon. She uses $1\frac{3}{8}$ yards for one gift and $2\frac{4}{8}$ yards for another. How much ribbon is left?



A tape diagram of the ribbon.