

Adding and Subtracting Fractions: math practice, Grade 5 – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1

Missing numbers in equivalent fractions



Find the missing number in each equation.

a. $\frac{3}{5} = \frac{?}{20}$

b. $\frac{7}{8} = \frac{21}{?}$

c. $\frac{4}{9} = \frac{?}{45}$

d. $\frac{10}{15} = \frac{2}{?}$

2 Simplify the fractions



Write each fraction in simplest form.

a. $\frac{12}{18}$

b. $\frac{15}{25}$

c. $\frac{18}{45}$

d. $\frac{28}{16}$

3 Least common multiples



Find the least common multiple (LCM) of each pair.

a. 4 and 6

b. 3 and 8

c. 6 and 9

d. 5 and 10

e. 12 and 8

4 Easy sums with one common denominator



Calculate. Write each answer in simplest form.

a. $\frac{1}{4} + \frac{1}{2}$

b. $\frac{2}{3} + \frac{1}{6}$

c. $\frac{3}{10} + \frac{1}{5}$

5 Easy differences



The bar below shows $\frac{5}{6}$ with some parts crossed out.



5/6 shaded, 2/6 crossed out

a. What fraction of the bar is left after the crossed parts are removed?

b. Calculate $\frac{7}{8} - \frac{1}{4}$.

c. Calculate $\frac{9}{10} - \frac{2}{5}$.

6 True or false?



Say whether each statement is true or false, and justify your answer.

a. $\frac{2}{3} = \frac{6}{9}$

b. $\frac{3}{4} = \frac{4}{5}$

c. $\frac{5}{10} = \frac{1}{2}$

d. $\frac{1}{3} + \frac{1}{4} = \frac{2}{7}$

7 Juice in the pitcher



Noah pours $\frac{1}{2}$ liter of orange juice and $\frac{1}{4}$ liter of apple juice into a pitcher. How many liters of juice are in the pitcher?

8 Which is greater?



Compare the fractions by rewriting them with a common denominator. Use $<$, $>$ or $=$.

a. $\frac{3}{4}$ and $\frac{5}{8}$

b. $\frac{7}{10}$ and $\frac{2}{3}$

9 Sums with unlike denominators



Add. Write each answer as a mixed number.

a. $\frac{2}{5} + \frac{3}{4}$

b. $\frac{5}{6} + \frac{3}{8}$

10 Differences with unlike denominators



Subtract. Write each answer in simplest form.

a. $\frac{7}{9} - \frac{1}{6}$

b. $\frac{11}{12} - \frac{3}{8}$

11 Adding mixed numbers



Calculate.

a. $2\frac{1}{3} + 1\frac{1}{2}$

b. $3\frac{3}{4} + 2\frac{2}{3}$

12 Subtracting mixed numbers



Calculate.

a. $5\frac{1}{2} - 2\frac{1}{3}$

b. $4\frac{1}{4} - 1\frac{2}{3}$

13 A walk in the park



Leo walks $\frac{3}{4}$ mile in the morning and $\frac{2}{3}$ mile in the afternoon.

- How many miles does he walk in all?
- How much farther did he walk in the morning than in the afternoon?

14 Estimate first



For each calculation, estimate with the benchmarks 0 , $\frac{1}{2}$ and 1 , then find the exact answer.

a. $\frac{5}{8} + \frac{7}{12}$

b. $\frac{13}{15} - \frac{4}{9}$

15 Three fractions



Calculate and simplify.

a. $\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$

b. $\frac{3}{4} + \frac{5}{6} - \frac{1}{3}$

16 Find the error

Sam wrote: $\frac{2}{3} + \frac{3}{4} = \frac{5}{7}$.

- Explain, using an estimate, how you can tell that his answer is wrong.
- Explain his mistake and give the correct answer.

17 Ribbon cutting

A ribbon is $5\frac{1}{4}$ feet long. Mia cuts off one piece that is $1\frac{2}{3}$ feet long and another that is $2\frac{1}{2}$ feet long. How much ribbon is left? Give the answer in feet and in inches (1 foot = 12 inches).

18 Missing fractions

Find the missing fraction.

- $\frac{3}{8} + \square = \frac{11}{12}$
- $\square - \frac{2}{5} = \frac{1}{3}$

19 The community garden

In a garden, tomatoes cover $\frac{2}{5}$ of the area, peppers cover $\frac{1}{4}$, and herbs cover the rest.

- What fraction of the garden is covered by herbs?
- The garden is 40 square feet. How many square feet are herbs?

20

Training plan

A runner wants to run 7 miles in three days. On Monday she runs $2\frac{1}{3}$ miles and on Tuesday $1\frac{3}{4}$ miles. How far must she run on Wednesday to reach her goal?

21

A pattern with differences

Calculate each difference, then look at the pattern.

a. $\frac{1}{4} - \frac{1}{5}$

b. $\frac{1}{5} - \frac{1}{6}$

c. Use (a) and (b) to find $\frac{1}{20} + \frac{1}{30}$ without finding a new common denominator, then check by adding.

**Test yourself: quick challenge for Grade 5**[Change level](#)

Level : Grade 5

6 random questions, instant feedback.

**Start the challenge****Speed drill for Grade 5: how many in 60 seconds?**

 Keep exploring with Zyro

 Practice solutions

Adding and Subtracting Fractions:
practice solutions, Grade 5

 Math lessons

Adding and Subtracting Fractions: math
lesson, Grade 5

 Math quizzes

Adding and Subtracting Fractions: math
quiz, Grade 5

 Practice solutions

Multiplying and Dividing Fractions:
practice solutions, Grade 5

✓ **Practice solutions**

Expressions and Patterns: practice solutions, Grade 5

■ **Math lessons**

Multiplying and Dividing Fractions: math lesson, Grade 5

Zyro vous emmène sur nos sites partenaires

Embarquez pour d'autres planètes du savoir et leurs applis.

Décollage