



How to Add Fractions?

FREE Worksheet - 4

Time: 20 minutes

(Detailed solutions at the end)

1. Add $\frac{1}{4}$ and $\frac{5}{12}$

Answer: _____

2. Find the sum of $\frac{1}{3}$ and $\frac{7}{12}$

Answer: _____

3. Lynn had a pineapple. She used $\frac{1}{12}$ of it for shake,
 $\frac{3}{12}$ of it for a salad and $\frac{4}{12}$ of it for an ice cream.

What fraction of the pineapple did she use altogether?

Write your answer in the simplest form.

Answer: _____



4. Add $\frac{1}{10}$ and $\frac{1}{5}$

Answer: _____

5. Mr. Smith had a bag of cookies. He gave $\frac{1}{5}$ of the bag of cookies to Jarrord, $\frac{3}{10}$ of the bag of cookies to Aditya and $\frac{1}{10}$ of the bag of cookies to Aaron.

What fraction of the bag of cookies did the children receive altogether?

Write your answer in the simplest form.

Answer: _____

6. Mrs. Miller had a wire. She cut $\frac{1}{3}$ of the wire for Mariana and $\frac{1}{4}$ of the wire for Phoebe.

What fraction of the wire did she cut all together for the two children?

Write your answer in the simplest form.



Answer: _____

7. $\frac{1}{6} + \frac{5}{12} + \frac{3}{12} =$

Answer: _____

8. Add $\frac{1}{3} + \frac{1}{4}$

Answer: _____



SOLUTIONS

Problem 1

To add fractions, we must first express the fractions with the same denominator.

$$\text{Fraction 1: } \frac{1}{4} = \frac{3}{12}$$

$$\text{Fraction 2: } \frac{5}{12}$$

Next, do the addition:

$$\frac{3}{12} + \frac{5}{12} = \frac{8}{12}$$

Finally, we simplify the fraction:

$$\frac{8 \div 4}{12 \div 4} = \frac{2}{3}$$

$$\text{So, } \frac{1}{4} + \frac{5}{12} = \frac{2}{3}$$



Problem 2

To add fractions, we must first express the fractions with the same denominator.

$$\text{Fraction 1: } \frac{1}{3} = \frac{4}{12}$$

$$\text{Fraction 2: } \frac{7}{12}$$

Next, do the addition:

$$\frac{4}{12} + \frac{7}{12} = \frac{11}{12}$$

$$\text{So, } \frac{1}{3} + \frac{7}{12} = \frac{11}{12}$$



Problem 3

To add fractions, we must first express the fractions with the same denominator.

$$\text{Shake: } \frac{1}{3} = \frac{4}{12}$$

$$\text{Salad: } \frac{3}{12}$$

$$\text{Icecream: } \frac{4}{12}$$

Next, do the addition:

$$\frac{4}{12} + \frac{3}{12} + \frac{4}{12} = \frac{11}{12}$$

She used $\frac{11}{12}$ of the pineapple all together.



Problem 4

To add fractions, we must first express the fractions with the same denominator.

$$\text{Fraction 1: } \frac{1}{5} = \frac{2}{10}$$

$$\text{Fraction 2: } \frac{1}{10}$$

Next, do the addition:

$$\frac{2}{10} + \frac{1}{10} = \frac{3}{10}$$

$$\text{So, } \frac{1}{5} + \frac{1}{10} = \frac{3}{10}$$



Problem 5

To add fractions, we must first express the fractions with the same denominator.

$$\text{Jarrod: } \frac{1}{5} = \frac{2}{10}$$

$$\text{Aditya: } \frac{3}{10}$$

$$\text{Aaron: } \frac{1}{10}$$

Next, do the addition:

$$\frac{2}{10} + \frac{3}{10} + \frac{1}{10} = \frac{6}{10}$$

Finally, we simplify the fraction:

$$\frac{6 \div 2}{10 \div 2} = \frac{3}{5}$$

The children received $\frac{3}{5}$ of the bag of cookies altogether.



Problem 6

To add fractions, we must first express the fractions with the same denominator.

$$\text{Mariana: } \frac{1}{3} = \frac{4}{12}$$

$$\text{Phoebe: } \frac{1}{4} = \frac{3}{12}$$

Next, do the addition:

$$\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$$

She cut $\frac{7}{12}$ of the wire all together for the two children.



Problem 7

To add fractions, we must first express the fractions with the same denominator.

$$\text{Fraction 1: } \frac{1}{6} = \frac{2}{12}$$

$$\text{Fraction 2: } \frac{5}{12}$$

$$\text{Fraction 3: } \frac{3}{12}$$

Next, do the addition:

$$\frac{2}{12} + \frac{5}{12} + \frac{3}{12} = \frac{10}{12}$$

Finally, we simplify the fraction:

$$\frac{10 \div 2}{12 \div 2} = \frac{5}{6}$$

$$\text{So, } \frac{1}{6} + \frac{5}{12} + \frac{3}{12} = \frac{5}{6}$$



Problem 8

To add fractions, we must first express the fractions with the same denominator.

$$\text{Fraction 1: } \frac{1}{3} = \frac{4}{12}$$

$$\text{Fraction 2: } \frac{1}{4} = \frac{3}{12}$$

Next, do the addition:

$$\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$$

$$\text{So, } \frac{1}{3} + \frac{1}{4} = \frac{7}{12}$$