



How to Add Fractions?

FREE Worksheet - 3

Time: 20 minutes

(Detailed solutions at the end)

1. Add $\frac{1}{2}$, $\frac{1}{10}$ and $\frac{3}{10}$

Answer: _____

2. Find the sum of $\frac{1}{3}$ and $\frac{4}{9}$

Answer: _____

3. Add $\frac{1}{2}$ and $\frac{1}{5}$

Answer: _____

4. Find the sum of $\frac{1}{6} + \frac{1}{12} + \frac{3}{12}$

Answer: _____



5. Mrs. Lam had a wire. She cut $\frac{1}{2}$ of the wire for Ruth and $\frac{1}{12}$ of the wire for Lisa.

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

Write your answer in the simplest form.

Answer: _____

6. $\frac{1}{4} + \frac{1}{6} =$

Answer: _____

7. Heidi had a melon. She used $\frac{1}{9}$ of it for shake, $\frac{1}{9}$ of it for a salad and $\frac{4}{9}$ of it for an ice cream.

What fraction of the melon did she use altogether?

Write your answer in the simplest form.



Answer: _____

8. $\frac{1}{5} + \frac{3}{10} =$

Answer: _____



SOLUTIONS

Problem 1

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

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

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

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

Next, do the addition:

$$\frac{5}{10} + \frac{1}{10} + \frac{3}{10} = \frac{9}{10}$$

$$\text{So, } \frac{1}{2} + \frac{1}{10} + \frac{3}{10} = \frac{9}{10}$$



Problem 2

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

$$\text{Fraction 1: } \frac{1}{3} = \frac{3}{9}$$

$$\text{Fraction 2: } \frac{4}{9}$$

Next, do the addition:

$$\frac{3}{9} + \frac{4}{9} = \frac{7}{9}$$

$$\text{So, } \frac{1}{3} + \frac{4}{9} = \frac{7}{9}$$



Problem 3

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

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

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

Next, do the addition:

$$\frac{5}{10} + \frac{2}{10} = \frac{7}{10}$$

$$\text{So, } \frac{1}{2} + \frac{1}{5} = \frac{7}{10}$$



Problem 4

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 5

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

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

$$\text{Lisa: } \frac{1}{12}$$

Next, do the addition:

$$\frac{6}{12} + \frac{1}{12} = \frac{7}{12}$$

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



Problem 6

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

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

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

Next, do the addition:

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

$$\text{So, } \frac{1}{4} + \frac{1}{6} = \frac{5}{12}$$



Problem 7

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

Shake: $\frac{1}{3} = \frac{3}{9}$

Salad: $\frac{1}{9}$

Icecream: $\frac{4}{9}$

Next, do the addition:

$$\frac{3}{9} + \frac{1}{9} + \frac{4}{9} = \frac{8}{9}$$

She used $\frac{8}{9}$ of the melon all together.



Problem 8

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

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

$$\text{Fraction 2: } \frac{3}{10}$$

Next, do the addition:

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

Finally, we simplify the fraction:

$$\frac{5 \div 5}{10 \div 5} = \frac{1}{2}$$

$$\text{So, } \frac{1}{5} + \frac{3}{10} = \frac{1}{2}$$