



How to Add Fractions?

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

1. Mrs. Hughes had a tape. She cut $\frac{1}{2}$ of the tape for Ashlee and $\frac{1}{12}$ of the tape for Angie.

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

Write your answer in the simplest form.

Answer: _____

2. Nora had a papaya. She used $\frac{1}{8}$ of it for shake, $\frac{1}{8}$ of it for a salad and $\frac{2}{8}$ of it for an ice cream.

What fraction of the papaya did she use altogether?

Write your answer in the simplest form.

Answer: _____



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

Answer: _____

4. Darrell and Lila bought a pizza.

Darrell ate $\frac{1}{3}$ of the pizza and Lila ate $\frac{5}{9}$ of the pizza.

What fraction of the pizza did they eat altogether?

Write your answer in the simplest form.

Answer: _____

5. Mr. Saxena had a bag of chips.

He gave $\frac{2}{5}$ of the bag of chips to Zion,

$\frac{3}{10}$ of the bag of chips to Aaron and $\frac{1}{10}$ of the bag of chips to Ahmed.

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

Write your answer in the simplest form.



6. Find the sum of $\frac{1}{3}$ and $\frac{5}{12}$.

Answer: _____

7. Add $\frac{1}{2}$ and $\frac{1}{6}$.

Answer: _____

8. Find the sum of $\frac{1}{5}$ and $\frac{7}{10}$.

Answer: _____

Answer: _____



SOLUTIONS

Problem 1

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

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

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

Next, do the addition:

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

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

Problem 2

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

$$\text{Shake: } \frac{1}{2} = \frac{4}{8}$$

$$\text{Salad: } \frac{1}{8}$$



Icecream: $\frac{2}{8}$

Next, do the addition:

$$\frac{4}{8} + \frac{1}{8} + \frac{2}{8} = \frac{7}{8}$$

She used $\frac{7}{8}$ of the papaya all together.

Problem 3

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

Fraction 1: $\frac{1}{4} = \frac{2}{8}$

Fraction 2: $\frac{1}{8}$

Next, do the addition:

$$\frac{2}{8} + \frac{1}{8} = \frac{3}{8}$$

So, $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$



Problem 4

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

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

$$\text{Lila: } \frac{5}{9}$$

Next, do the addition:

$$\frac{3}{9} + \frac{5}{9} = \frac{8}{9}$$

They ate $\frac{8}{9}$ of the pizza all together.

Problem 5

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



$$\text{Zion: } \frac{2}{5} = \frac{4}{10}$$

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

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

Next, do the addition:

$$\frac{4}{10} + \frac{3}{10} + \frac{1}{10} = \frac{8}{10}$$

Finally, we simplify the fraction:

$$\frac{8 \div 2}{10 \div 2} = \frac{4}{5}$$

The children received $\frac{4}{5}$ of the bag of chips all together.

Problem 6

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

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



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

Next, do the addition:

$$\frac{4}{12} + \frac{5}{12} = \frac{9}{12}$$

Finally, we simplify the fraction:

$$\frac{9 \div 3}{12 \div 3} = \frac{3}{4}$$

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

Problem 7

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

Fraction 1: $\frac{1}{2} = \frac{3}{6}$

Fraction 2: $\frac{1}{6}$

Next, do the addition:

$$\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$$

Finally, we simplify the fraction:



$$\frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

$$\text{So, } \frac{1}{2} + \frac{1}{6} = \frac{2}{3}$$



Problem 8

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

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

$$\text{Fraction 2: } \frac{7}{10}$$

Next, do the addition:

$$\frac{2}{10} + \frac{7}{10} = \frac{9}{10}$$

$$\text{So, } \frac{1}{5} + \frac{7}{10} = \frac{9}{10}$$