

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.

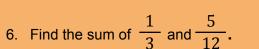
Answer: _____

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.



Answer: _____

Answer: ____

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

Answer: ____

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

Answer: ____

SOLUTIONS

Problem 1

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

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

Angle:
$$\frac{1}{12}$$

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.

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

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.

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

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.

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

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

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.

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:

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

$$S_0, \frac{1}{3} + \frac{5}{12} = \frac{3}{4}$$

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:

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

$$S_0, \frac{1}{2} + \frac{1}{6} = \frac{2}{3}$$

Problem 8

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

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

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

Next, do the addition:

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

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