

Name: LOZDate: 11-2-20

## Worksheet 7 Real-World Problems: Fractions and Mixed Numbers

Solve. Show your work.

1. Lauren had 3 liters of water. She poured the water into 7 glasses equally. How much water was there in each glass?

Lauren has  $\frac{3}{7}$  liters of water in each glass.

$$\frac{3}{7} \div 7 = \frac{3}{7} \times \frac{1}{7} = \frac{3}{49}$$

2. Mr. Bennett bought a loaf of bread, which was cut into 20 equal slices. He gave the bread equally to 8 children. How many slices of bread did each child get?

8 children  $20 \div 8 = 2.4$   $2\frac{1}{2}$

$$2\frac{4}{8} \quad 2.4 = 2\frac{4}{8} = 2\frac{1}{2}$$

Each child got  $2\frac{1}{2}$  slices of bread.

3. Mrs. Williams had some watermelons. She gave  $\frac{1}{4}$  of the watermelons to Mrs. Lopez and  $\frac{7}{12}$  of the watermelons to Mrs. Brown. What fraction of the watermelons did Mrs. Williams give away?

$$\frac{1}{4} \times 3 = \frac{3}{12}$$

$$\frac{5}{6} \quad \frac{7}{12} + \frac{3}{12} = \frac{10}{12} = \frac{5}{6}$$

Mrs. Williams gave away  $\frac{5}{6}$  of the watermelons.

Name: \_\_\_\_\_

L02

Date: \_\_\_\_\_

11-2-20

**Solve. Show your work.**

4. Ellen bought  $\frac{5}{9}$  pound of flour. She used  $\frac{1}{2}$  pound of flour to make pies.  
How much flour did Ellen have left?

$$\frac{10}{18} - \frac{9}{18} = \frac{1}{18}$$

$\frac{1}{2} = \frac{9}{18}$  Ellen  
has  $\frac{1}{18}$  of  
flour left.

5. Mr. Hayes sold  $\frac{7}{9}$  of a crate of grapefruit. He sold  $\frac{3}{5}$  of another crate of grapefruit. How many crates of grapefruit did Mr. Hayes sell in all?

$$\frac{35}{45} + \frac{27}{45} = \frac{62}{45}$$

$$\frac{7}{9} \times 5 = \frac{35}{45}$$

Mr. Hayes

sells  $\frac{17}{45}$  crate  
of grapefruit

$$\frac{3}{5} \times 9 = \frac{27}{45}$$

6. Latoya had  $2\frac{3}{4}$  liters of water in a watering can. She used  $1\frac{2}{7}$  liters of the water to water her plants. How much water did Latoya have left in the watering can?

$$2\frac{21}{28} - 1\frac{8}{28} = \frac{21}{28}$$

Latoya

$$1\frac{13}{28} = 1\frac{1}{2}$$

$$\frac{3}{4} \times 7 = \frac{21}{28}$$

had  $1\frac{13}{28}$   
liters of

water in the watering  
can



Name: LO2Date: 11-2-20**Solve. Show your work.**

7. Jose went jogging with Sam. Jose jogged  $\frac{5}{8}$  mile before he stopped to rest. Sam jogged  $\frac{1}{4}$  mile more than Jose before stopping. After resting, they continued jogging. Each of them jogged a total distance of  $2\frac{1}{5}$  miles.

a. How far did Sam jog before stopping?

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

$$\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

b. What was the distance Jose jogged after resting?

$$2\frac{1}{5} = \frac{11}{5}$$

$$\frac{11}{5} - \frac{7}{8} = \frac{88}{40} - \frac{35}{40} = \frac{53}{40}$$

Sam jogged  $\frac{7}{8}$  of a mile before stopping.  
Jose jogged  $\frac{53}{40}$  of a mile after resting.

8. Sharon completed her English homework in  $\frac{2}{3}$  hour. She completed her Science homework in  $\frac{5}{6}$  hour.

a. How much longer did Sharon take to complete her Science homework?

I took  $\frac{2}{3} = \frac{4}{6}$   
 $\frac{5}{6}$  of an hour longer.  
 $\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$

b. How much time did she spend on her homework altogether?

She spent  $1\frac{1}{2}$  hours on  $\frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{1}{2}$  her homework.

Name: \_\_\_\_\_

LOZ

Date: \_\_\_\_\_

11-2-20

**Solve. Show your work.**

9. Jana spent  $\frac{1}{6}$  of her leisure time playing games. She spent  $\frac{1}{4}$  more of her time reading than playing games. Jana spent the rest of her leisure time exercising.

**a.** What fraction of Jana's leisure time was spent reading?

$$\frac{1}{6} \times \frac{1}{4} = \frac{1}{24} \quad \frac{1}{6} + \frac{1}{24} = \frac{5}{24}$$

Of Jana's time was spent reading.

**b.** What fraction of her leisure time was spent exercising?

$$\frac{1}{6} + \frac{5}{24} = \frac{9}{24}$$

$$\frac{24}{24} - \frac{9}{24} = \frac{15}{24}$$

Of Jana's time was spent exercising.

10. A shopkeeper had  $3\frac{1}{2}$  kilograms of onions. He sold  $1\frac{1}{4}$  kilograms of onions in the morning and  $1\frac{3}{8}$  kilograms in the afternoon.

**a.** How many kilograms of onions did the shopkeeper sell altogether?

$$1\frac{1}{4} + 1\frac{3}{8} = 2\frac{5}{8}$$

The Shopkeeper sold  $2\frac{5}{8}$  kilograms of onions.

**b.** How many kilograms of onions did he have left?

$$3\frac{1}{2} - 2\frac{5}{8} = 1\frac{1}{8}$$

He has  $1\frac{1}{8}$  kilograms of onions left.