

mon. 11/30

7/9

Name: Loz

Date: 11-30-20

## Worksheet 5 Real-World Problems: Multiplying with Mixed Numbers

Solve. Show your work.

1. Juan has 8 rabbits. He wants to give  $1\frac{1}{4}$  carrots to each rabbit.  
How many carrots does Juan need?

$$8 \times 1\frac{1}{4} = 10$$

Juan needs 10 carrots.

$$\frac{8}{1} \times \frac{5}{4} = \frac{40}{4} = \frac{10}{1} = 10$$

$$8 \times 1 = 8 \quad \frac{5}{4} \times 8 = 2 \times 8 = 16 \quad 8 + 2 = 10$$

$$1\frac{1}{4} = \frac{5}{4}$$



2. Mr. Foster buys 7 boxes of cornflakes. Each box weighs  $13\frac{1}{2}$  ounces.  
Find the total weight of the cornflakes.

$$\frac{7}{1} \times \frac{27}{2} = \frac{189}{2}$$

$$13\frac{1}{2} = \frac{27}{2}$$

$$\frac{189 \div 2}{2 \quad 1 \quad 2} = 94\frac{1}{2}$$

The total weight

of the cornflakes is  $94\frac{1}{2}$  ounces.

the cornflakes is  $94\frac{50}{100}$  ounces.

Name: L02

Date: 11-30-20

**Solve. Show your work.**

3. A rectangular envelope is 8 inches wide and  $4\frac{1}{3}$  inches long.  
Find the area of the envelope.

Area of a rectangle  
= length  $\times$  width

$$4\frac{1}{3} = \frac{13}{3}$$

$$104 \div 3 = 34\frac{2}{3}$$

$$\frac{8}{1} \times \frac{13}{3} = \frac{104}{3}$$

the area  
of the envelope is  
 $34\frac{2}{3}$  inches



- 2pts

4. A carpenter bought 4 boxes of nails. Each box weighed  $3\frac{2}{5}$  pounds.

The price of the nails was \$8 per pound. How much did the carpenter pay for the nails?

$$3\frac{2}{5} = \frac{17}{5}$$

3 64 pounds

$$\frac{2}{5} = \frac{40}{100} = .40$$

$$\frac{4}{1} \times \frac{17}{5} = \frac{68}{5}$$

The Carpenter  
Paid \$102.40

$$\begin{array}{r} 564 \\ \times 8 \\ \hline 4512 \end{array}$$

$$\frac{64}{5} \times \frac{8}{1} = \frac{512}{5}$$

for the nails

$$\frac{512}{5} = 102\frac{2}{5} = 102.40$$

check  
your math  
on the 1st  
step

Name: L02

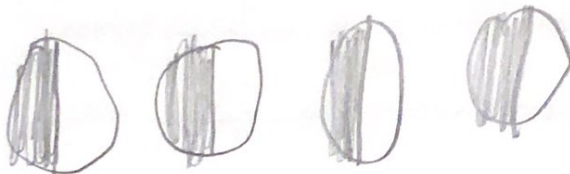
Date: 11-30-20

**Complete.**

8. There are 2  $\frac{1}{2}$ s in 1 whole.

9. There are 4  $\frac{1}{2}$ s in 2 wholes.

10. Draw 2 wholes made from  $\frac{1}{2}$  circles.

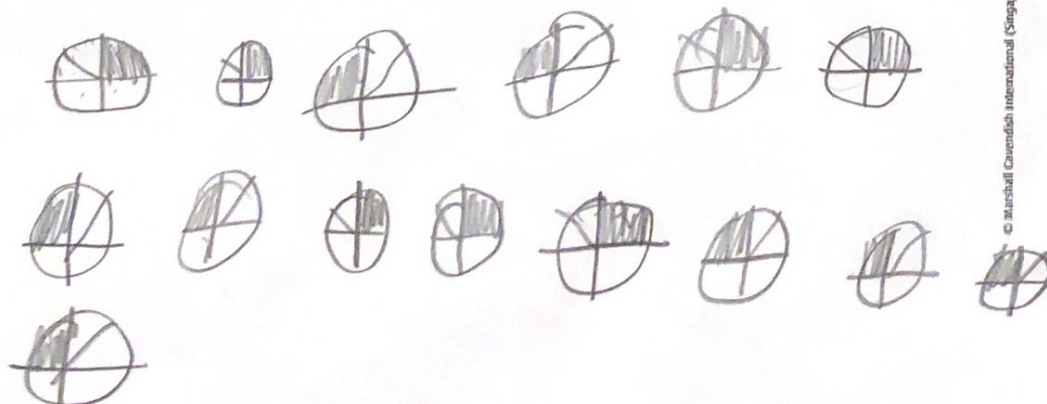


**Complete.**

11. There are 5  $\frac{1}{5}$ s in 1 whole.

12. There are 15  $\frac{1}{5}$ s in 3 wholes.

13. Draw 3 wholes made from  $\frac{1}{5}$  circles.





Name: LOZ

Date: 11-30-10

**Complete each statement.**

28. If each child receives  $\frac{1}{4}$  of an apple,
- a. one apple can be shared among 4 children.
  - b. two apples can be shared among 8 children.
29. If each child drinks  $\frac{1}{8}$  liter of milk,
- a. one liter of milk can be shared among 8 children.
  - b. three liters of milk can be shared among 24 children.
30. If each gift can be wrapped using  $\frac{1}{3}$  of a piece of wrapping paper,
- a. each piece of paper can be used to wrap 3 gifts.
  - b. two pieces of paper can be used to wrap 6 gifts.
  - c. five pieces of paper can be used to wrap 15 gifts.

Name: LO2

Date: 11-30-20

**Divide.**

10.  $4 \div \frac{1}{2} = 8$

11.  $6 \div \frac{1}{4} = 24$

12.  $5 \div \frac{1}{3} = 15$

13.  $2 \div \frac{1}{5} = 10$

14.  $2 \div \frac{1}{6} = 12$

15.  $3 \div \frac{1}{8} = 24$

16.  $3 \div \frac{1}{7} = 21$

17.  $4 \div \frac{1}{9} = 36$



Name: LOZDate: 11-30-20**Solve. Show your work.**

18. A bottle contains  $\frac{5}{12}$  gallon of paint. Mr. Jacobs pours all the paint equally into 5 pots. How much paint is there in each pot?

$$\frac{5}{12} \div \frac{5}{1} = \frac{1}{12}$$

$$\frac{15}{12} \div \frac{5}{1} = \frac{1}{12}$$

There is  $\frac{1}{12}$  gallon of  
Paint in each  
pot.

19. During lunch,  $\frac{1}{2}$  of a loaf of bread is shared equally among 5 girls. What fraction of the loaf of bread does each girl have?

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

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

Each girl has  $\frac{1}{10}$  loaf of the  
bread.