

Name: L O Z

-10 + 3 BONUS

Date: 12-9-20

$$\frac{12}{19}$$

TEST PREP  
**4**

# Multiplying and Dividing Fractions and Mixed Numbers

$$\frac{9}{19} + 3 =$$

## Multiple Choice

(5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1. Multiply  $\frac{4}{5}$  by  $\frac{15}{16}$ . Give your answer in simplest form.

(A)  $\frac{3}{4}$  (B)  $\frac{60}{80}$  (C)  $\frac{19}{21}$  (D)  $\frac{20}{21}$

$$\frac{4}{5} \times \frac{15}{16} = \frac{60}{80} = \frac{3}{4}$$

2. Which has the same value as  $\frac{5}{8} \div 3$ ?

(A)  $\frac{5}{8} \times \frac{3}{1}$  (B)  $\frac{8}{5} \times \frac{3}{1}$  (C)  $\frac{5}{8} \times \frac{1}{3}$  (D)  $\frac{8}{5} \times \frac{1}{3}$

$$\frac{5}{8} \div \frac{3}{1} = \frac{5}{8} \times \frac{1}{3}$$

3. Joe has 3 pounds of clay. He uses  $\frac{3}{4}$  pound to make a vase. How much clay is left?

(A)  $\frac{1}{4}$  lb (B)  $\frac{4}{9}$  lb (C)  $1\frac{1}{5}$  lb (D)  $2\frac{1}{4}$  lb

$$3 - \frac{3}{4} = 2\frac{1}{4}$$

4. Daisy has  $5\frac{1}{2}$  pounds of flour. She uses  $\frac{4}{5}$  of it to bake bread. How much flour does she use to bake bread?

(A)  $2\frac{1}{5}$  lb (B)  $2\frac{2}{5}$  lb (C)  $3\frac{3}{7}$  lb (D)  $4\frac{2}{5}$  lb

$$5\frac{1}{2} - \frac{4}{5} = 4\frac{2}{5}$$

5. Claire picked some apples. She used  $\frac{2}{5}$  of the apples to make jam. She gave  $\frac{1}{3}$  of the remainder to her neighbor. What fraction of the apples did she give to her neighbor?

(A)  $\frac{2}{15}$  (B)  $\frac{1}{5}$  (C)  $\frac{2}{5}$  (D)  $\frac{3}{5}$



Name: L02Date: 12-9-20**Short Answer**

(5 × 2 points = 10 points)

**Multiply or divide. Express your answer in simplest form.**

6.

a.

$5\frac{5}{8} \times 18$

b.

$\frac{3}{8} \div 12 = \frac{1}{32}$

*reduce*

$$\begin{array}{r} 90 \\ + 11\frac{2}{8} \\ \hline 101\frac{2}{8} \end{array}$$

$$101\frac{2}{8} \times 18 = 11\frac{2}{8}$$

$$\frac{3}{8} \div 12 = \frac{1}{32}$$

$$\frac{1}{8} \times \frac{1}{24} = \frac{1}{192}$$

**Solve. Show your work.**

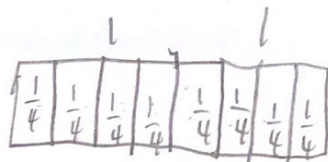
7.

Jill has 8 yards of cloth. She wants to cut it into pieces that are  $\frac{1}{4}$  yard long.

How many pieces can she cut from the length of cloth?

$$8 \div \frac{1}{4} = 8 \times 4 = 32$$

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



She can cut

2 pieces from the length

8.

Tom works  $1\frac{3}{4}$  hours a day at a café. He is paid \$8 an hour. How much money is he paid in 10 days?

3 points

$$1\frac{3}{4} \times 8$$

$$1\frac{3}{4} \times 8 = 14 \times 10 = 140$$

$$1\frac{3}{4}, 3\frac{2}{4}, 7 \quad 8\frac{3}{4}, 17\frac{2}{4}$$

$$8 \times 17 = 136$$


He is Paid \$ 136 in 10 days



Name: L67Date: 12-9-20**Problem Solving****Solve. Show your work.**

9. Kim has 18 toys.  $\frac{1}{3}$  of the toys are teddy bears.  $\frac{1}{6}$  of the toys are balls and the rest are dolls. How many dolls does Kim have?

18 18 Kim has 9 dolls.  $\frac{5}{18} + \frac{3}{18} = \frac{8}{18}$



$$\frac{1}{3} \times \frac{6}{6} = \frac{6}{18}$$

$$\frac{1}{6} \times \frac{3}{3} = \frac{3}{18}$$

$$18 - 9 = 9$$

10.

- Susan has \$80. She spends  $\frac{3}{5}$  of the money on Monday. She spends the remaining money equally over the next 5 days. How much money does she spend on each of the 5 days?

+3  
Extra  
Credit  
3 points

$$5 \overline{) 80} \quad 16 \times 3 = 48$$

$$\frac{3}{5} = \$48$$

She

Susan spends

\$6.40 on

each of the

5 days.

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

$$\frac{2}{5} = \$32$$

$$5 \overline{) 32} \quad 6.40$$

$$\underline{- 30} \quad 2$$

6.40