

## Review for Assessment: Multiplying Fractions, Whole &amp; Mixed Numbers

## Multiple Choice

Identify the choice that best completes the statement or answers the question.

\_\_\_\_\_ 1. Which picture shows that  $\frac{1}{2}$  of the 6 circles are shaded?



\_\_\_\_\_ 2.  $2\frac{1}{4} \times 1\frac{1}{5} = ?$

a.  $2\frac{7}{10}$

b. 2

c.  $2\frac{1}{20}$

d.  $2\frac{1}{4}$

\_\_\_\_\_ 3. There are 32 students in Ms. Dunlop's Advisory. Of the students,  $\frac{3}{8}$  are boys. How many boys are in her homeroom?

a. 6

b. 8

c. 12

d. 14

Find the product. Simplify.

\_\_\_\_\_ 4.  $\frac{4}{9}$  of 36

a. 16

b.  $\frac{1}{16}$

c.  $\frac{40}{9}$

d. 8

Find the product.

\_\_\_\_\_ 5.  $1\frac{1}{3} \times 2\frac{1}{3}$

a.  $3\frac{1}{9}$

b.  $1\frac{2}{9}$

c.  $3\frac{2}{3}$

d.  $2\frac{1}{9}$

\_\_\_\_\_ 6. You are making scarves for presents. Each scarf needs  $\frac{3}{4}$  yd of fabric. How many yards of fabric do you need for 7 scarves?

a.  $9\frac{1}{3}$  yd

b.  $5\frac{1}{4}$  yd

c.  $10\frac{2}{3}$  yd

d. 6 yd

## Short Answer

7. The product of  $5\frac{1}{3}$  and  $\frac{7}{8}$ .

8. If each person in Michigan recycles  $1\frac{1}{4}$  pounds of plastic each day, how many pounds of plastic does each person throw away in a month (30 days)?

**REVIEW:****Division of Fractions, Mixed Numbers, and Whole Numbers****Multiple Choice**

Identify the choice that best completes the statement or answers the question. Be sure to show all your work and box your final answers.

**Find the quotient.**

\_\_\_\_ 1.  $\frac{3}{7} \div \frac{4}{7} = ?$

a.  $\frac{3}{4}$

b.  $\frac{12}{49}$

c.  $1\frac{1}{3}$

d.  $1\frac{5}{7}$ 

---

\_\_\_\_ 2.  $18 \div \frac{3}{5}$

a.  $\frac{54}{5}$

b.  $\frac{5}{54}$

c.  $\frac{1}{30}$

d. 30

---

\_\_\_\_ 3.  $\frac{5}{6} \div \frac{6}{7}$

a.  $\frac{5}{7}$

b.  $\frac{35}{36}$

c.  $\frac{7}{5}$

d.  $1\frac{1}{35}$ 

---

\_\_\_\_ 4.  $1\frac{1}{6} \div 8$

a.  $\frac{7}{48}$

b.  $9\frac{1}{3}$

c.  $6\frac{6}{7}$

d.  $\frac{3}{28}$ 

---

5.  $9\frac{3}{4} \div 2\frac{3}{5}$

$(9\frac{3}{4} \div 2\frac{3}{5})$

a.  $\frac{4}{15}$

b.  $25\frac{7}{20}$

c.  $3\frac{3}{4}$

d.  $1\frac{7}{13}$

---

6. Paige spends 3 hours on her homework. She spends equal amounts of time on all subjects. If Paige spends  $\frac{1}{2}$  hour on math, how many subjects does she study?

a. 6 subjects

b. 5 subjects

c. 7 subjects

d. 8 subjects

---

7. You have  $2\frac{2}{3}$  cups of dried fruit to divide evenly among 5 children. How many cups of fruit will each child receive?

a.  $\frac{15}{8}$

b.  $\frac{8}{15}$

c.  $\frac{7}{15}$

d.  $\frac{15}{7}$

---

8. Find the reciprocal of  $\frac{2}{11}$ .

a. 2

b. 11

c.  $\frac{9}{11}$

d.  $\frac{11}{2}$

---

**Short Answer** Be sure to show all your work and box your final answers

9. Carly's mom bought  $3\frac{1}{3}$  pounds of strawberries to make strawberry smoothies. She estimates that she will need  $\frac{1}{9}$  pound of strawberries for each smoothie. How many smoothies can she make with the strawberries she bought?