

Apply Solve each equation.

$$\frac{3}{4} \div \frac{1}{3}$$

$$2. 1\frac{4}{5} \cdot 3\frac{1}{4}$$

$$3. 4\frac{5}{6} \div 5\frac{2}{3}$$

$$\frac{7}{8} \cdot 4\frac{2}{3}$$

$$5. 9\frac{1}{4} \div \frac{1}{8}$$

$$6. 1\frac{2}{3} \cdot 5\frac{1}{2}$$

$$1\frac{1}{2} \div 2$$

$$8. 4\frac{2}{5} \cdot 10$$

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

$$1. \frac{1}{5} \cdot 5$$

$$11. \frac{9}{10} \div \frac{3}{4}$$

$$12. \frac{5}{3} \cdot \frac{2}{5}$$

Solve each problem.

1. Marco wants to bake cupcakes for the bake sale. The recipe, which yields 12 cupcakes, calls for $\frac{2}{3}$ cup of milk. If Marco wants to make 48 cupcakes, how much milk will he need?
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2. The Morgan family is driving $10\frac{1}{2}$ hours to visit relatives. They will stop every $3\frac{1}{2}$ hours to rest. How many times will they stop to rest?
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3. It takes Jane $\frac{2}{3}$ of a day to clean 1 house. How many days would it take her to clean 7 houses?
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4. In the expression $\frac{8}{9} \div \frac{1}{4}$, which number is the divisor?
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5. In the equation $\frac{4}{5} \div \frac{1}{3} = 2\frac{2}{5}$, which number is the quotient?
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6. Explain how to divide two fractions.
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Assessment Practice

DIRECTIONS Read each question. Then circle the letter for the correct answer.

1. Which of the following expressions can be used to find $8\frac{1}{3} \div 3\frac{1}{4}$?

A $\frac{25}{3} \cdot \frac{4}{13}$

B $\frac{12}{3} \cdot \frac{4}{6}$

C $\frac{9}{3} \cdot \frac{4}{4}$

D $\frac{25}{3} \cdot \frac{13}{4}$

2. Which of the following expressions can be used to find $2\frac{3}{4} \cdot 3\frac{1}{5}$?

A $\frac{11}{4} \cdot \frac{5}{16}$

B $\frac{5}{4} \cdot \frac{4}{5}$

C $\frac{11}{4} \cdot \frac{16}{5}$

D $\frac{14}{3} \cdot \frac{8}{3}$

3. $8\frac{4}{5} \div \frac{2}{5} =$

A $21\frac{1}{5}$

B 22

C $22\frac{1}{5}$

D 23

4. $4\frac{1}{4} \cdot 9\frac{1}{3} =$

A $5\frac{1}{2}$

B $13\frac{2}{6}$

C $36\frac{2}{12}$

D $39\frac{2}{3}$

5. $5\frac{1}{5} \cdot 7\frac{1}{4} =$

A $23\frac{3}{48}$

B $33\frac{7}{24}$

C $34\frac{5}{14}$

D $37\frac{7}{10}$

6. $12\frac{1}{4} \div 4\frac{1}{4} =$

A $2\frac{15}{17}$

B $3\frac{7}{19}$

C $4\frac{2}{9}$

D $5\frac{3}{8}$



7. Katie is making presents. She uses $1\frac{1}{3}$ yards of trim for a frame and 1 yard of trim for a hanger. If a package of trim has 5 yards, how many complete frame and hanger sets can she make?

A 2

B 3

C 4

D 5



8. Miguel bought $12\frac{2}{3}$ yards of edging for his garden. He paid \$6 a yard. How much did he spend?

A \$59

B \$72

C \$76

D \$84

Name: _____ Date: _____

Fraction Addition and Subtraction

Directions: Add or subtract each fraction. Convert answers to mixed numbers and simplify, if necessary.

1. $\frac{7}{10} - \frac{3}{10}$

2. $\frac{17}{20} + \frac{3}{20}$

3. $\frac{65}{132} - \frac{45}{132}$

4. $\frac{121}{143} + \frac{102}{143}$

5. $\frac{11}{12} - \frac{5}{6}$

6. $\frac{9}{10} + \frac{1}{5}$

7. $\frac{13}{14} - \frac{2}{7}$

8. $\frac{8}{9} + \frac{1}{3}$

9. $\frac{35}{36} - \frac{11}{18}$

10. $\frac{35}{36} + \frac{5}{6}$

11. $\frac{53}{60} - \frac{11}{15}$

12. $\frac{93}{100} + \frac{2}{5}$

13. $\frac{8}{9} - \frac{2}{5}$

14. $\frac{7}{11} + \frac{3}{4}$

15. $\frac{15}{16} - \frac{8}{11}$

16. $\frac{21}{25} + \frac{3}{8}$

Name: _____ Date: _____

Mixed Number Addition and Subtraction

Directions: Add or subtract each mixed number. Convert answers to mixed numbers and simplify, if necessary.

1. $5\frac{8}{9} - 2\frac{1}{9}$

2. $3\frac{5}{6} + 2\frac{1}{6}$

3. $8\frac{9}{10} - 3\frac{3}{10}$

4. $8\frac{2}{3} - 5\frac{1}{6}$

5. $9\frac{4}{5} + 6\frac{3}{10}$

6. $11\frac{3}{4} - 5\frac{11}{12}$

7. $7\frac{3}{12} - 4\frac{1}{6}$

8. $8\frac{9}{16} + 2\frac{1}{4}$

9. $10\frac{5}{18} - 6\frac{1}{3}$

10. $7\frac{1}{3} - 6\frac{2}{5}$

11. $8\frac{7}{9} + 3\frac{1}{7}$

12. $11\frac{5}{12} - 4\frac{7}{13}$