Dividing fractions

Name _____ Date _____

Divide. Write answers in simplest form.

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Example $4 \div \frac{2}{3} = ?$

1. Keep the 4, change ÷ to ×, flip the fraction: $4 \times \frac{3}{2}$.
2. $4 \times \frac{3}{2} = \frac{12}{2} = 6$.

Answer: 6

1. $5 \div \frac{4}{9} =$ ☐
2. $2 \div \frac{2}{7} =$ ☐
3. $12 \div \frac{3}{8} =$ ☐
4. $\frac{1}{4} \div 8 =$ ☐
5. $\frac{1}{4} \div 9 =$ ☐
6. $\frac{5}{12} \div 4 =$ ☐

Divide two fractions.

Example $\frac{3}{4} \div \frac{2}{5} = ?$

1. Multiply by the reciprocal of the second fraction: $\frac{3}{4} \times \frac{5}{2}$.
2. Multiply tops and bottoms: $\frac{15}{8} = 1\frac{7}{8}$.

Answer: $1\frac{7}{8}$

7. $\frac{1}{2} \div \frac{2}{7} =$ ☐
8. $\frac{5}{9} \div \frac{3}{4} =$ ☐
9. $\frac{3}{8} \div \frac{7}{9} =$ ☐
10. $\frac{7}{10} \div \frac{2}{5} =$ ☐
11. $\frac{10}{11} \div \frac{4}{9} =$ ☐
12. $\frac{1}{5} \div \frac{3}{10} =$ ☐

Free to share with other families. Not for resale.

Dividing mixed numbers

Name _____ Date _____

Write each mixed number as an improper fraction.

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Example Write $3\frac{2}{7}$ as an improper fraction.

1. Multiply the whole number by the bottom: $3 \times 7 = 21$.
2. Add the top: $21 + 2 = 23$. Keep the same bottom, 7.

Answer: $\frac{23}{7}$

1. $9\frac{1}{3}$ as an improper fraction = ☐
2. $7\frac{1}{12}$ as an improper fraction = ☐
3. $9\frac{4}{7}$ as an improper fraction = ☐
4. $5\frac{6}{7}$ as an improper fraction = ☐
5. $2\frac{4}{9}$ as an improper fraction = ☐
6. $6\frac{3}{7}$ as an improper fraction = ☐

Divide.

Example $2\frac{1}{4} \div 1\frac{1}{2} = ?$

1. Change both to improper fractions: $\frac{9}{4} \div \frac{3}{2}$.
2. $\frac{9}{4} \times \frac{2}{3} = \frac{18}{12} = 1\frac{1}{2}$.

Answer: $1\frac{1}{2}$

7. $2\frac{1}{5} \div \frac{9}{10}$ = ☐
8. $2\frac{1}{5} \div \frac{7}{9}$ = ☐
9. $2\frac{1}{2} \div \frac{1}{2}$ = ☐
10. $5\frac{2}{3} \div 3\frac{2}{5}$ = ☐
11. $3\frac{3}{7} \div 1\frac{1}{2}$ = ☐
12. $4\frac{1}{4} \div 1\frac{4}{5}$ = ☐

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Answers

Answers are in the same order as the boxes.

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1. 11 1/4
2. 7
3. 32
4. 1/32
5. 1/36
6. 5/48
7. 1 3/4
8. 20/27
9. 27/56
10. 1 3/4
11. 2 1/22
12. 2/3

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1. 28/3
2. 85/12
3. 67/7
4. 41/7
5. 22/9
6. 45/7
7. 2 4/9
8. 2 29/35
9. 5
10. 1 2/3
11. 2 2/7
12. 2 13/36

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