Fractions of numbers

Name _____ Date _____

Write each answer as a fraction or a mixed number.

Common Core 5.NF.B.3, 5.NF.B.4a

Example 19 ÷ 4 = ?

1. A division can be written as a fraction: $19 \div 4 = \frac{19}{4}$.
2. 4 goes into 19 four times (16) with 3 left over, so $4\frac{3}{4}$.

Answer: $4\frac{3}{4}$

1. 19 ÷ 9 = ☐
2. 57 ÷ 11 = ☐
3. 59 ÷ 12 = ☐
4. 31 ÷ 12 = ☐
5. 22 ÷ 3 = ☐
6. 29 ÷ 7 = ☐

Multiply. Find one part first.

Example $\frac{2}{3} \times 18$ = ?

1. First find $\frac{1}{3}$ of 18: 18 ÷ 3 = 6.
2. $\frac{2}{3}$ is two of those parts: 2 × 6 = 12.

Answer: 12

7. $72 \times \frac{8}{9}$ = ☐
8. $72 \times \frac{3}{8}$ = ☐
9. $\frac{9}{10} \times 110$ = ☐
10. $4 \times \frac{4}{9}$ = ☐
11. $\frac{5}{6} \times 8$ = ☐
12. $4 \times \frac{5}{6}$ = ☐

Free to share with other families. Not for resale.

Fraction × fraction

Name _____ Date _____

Multiply. Simplify the answer.

Common Core 5.NF.B.4, 5.NF.B.5

Example $\frac{3}{4} \times \frac{2}{9} = ?$

1. Multiply: $3 \times 2 = 6$ and $4 \times 9 = 36$, so $\frac{6}{36}$.
2. Simplify: divide the top and bottom by 6.

Answer: $\frac{1}{6}$

1. $\frac{3}{8} \times \frac{1}{2} =$ ☐
2. $\frac{1}{8} \times \frac{7}{12} =$ ☐
3. $\frac{1}{2} \times \frac{3}{10} =$ ☐
4. $\frac{1}{4} \times \frac{4}{7} =$ ☐
5. $\frac{3}{7} \times \frac{1}{12} =$ ☐
6. $\frac{6}{7} \times \frac{7}{8} =$ ☐

Do not multiply. Write >, < or =.

Example $\frac{5}{7} \times 21 \ ? \ 21$

1. $\frac{5}{7}$ is less than 1.
2. Multiplying by a fraction less than 1 gives a smaller answer.

Answer: $\frac{5}{7} \times 21 < 21$

7. $\frac{7}{10} \times 35$ ☐ 35
8. $\frac{1}{10} \times 42$ ☐ 42
9. $\frac{7}{10} \times 8$ ☐ 8
10. $51 \times 1\frac{1}{7}$ ☐ 51
11. $18 \times \frac{10}{10}$ ☐ 18
12. $\frac{2}{2} \times 38$ ☐ 38

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Answers

Answers are in the same order as the boxes.

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1. 2 1/9
2. 5 2/11
3. 4 11/12
4. 2 7/12
5. 7 1/3
6. 4 1/7
7. 64
8. 27
9. 99
10. 1 7/9
11. 6 2/3
12. 3 1/3

Page 2 · Fraction × fraction

1. 3/16
2. 7/96
3. 3/20
4. 1/7
5. 1/28
6. 3/4
7. <
8. <
9. <
10. >
11. =
12. =

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