Unit fractions

Name _____ Date _____

How many copies of the unit fraction?

Common Core 4.NF.B.4a

Example $\frac{7}{8} = ? \times \frac{1}{8}$

1. 7/8 means 7 parts, each 1/8.
2. So 7/8 is 7 copies of 1/8.

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

1. $\frac{3}{8} = \square \times \frac{1}{8}$

2. $\frac{12}{8} = \square \times \frac{1}{8}$

3. $\frac{7}{5} = \square \times \frac{1}{5}$

4. $\frac{6}{2} = \square \times \frac{1}{2}$

5. $\frac{9}{5} = \square \times \frac{1}{5}$

6. $\frac{7}{3} = \square \times \frac{1}{3}$

Multiply.

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

1. 3 copies of one eighth make 3 eighths.

Answer: $\frac{3}{8}$

7. $4 \times \frac{1}{6} = \square$

8. $3 \times \frac{1}{6} = \square$

9. $3 \times \frac{1}{10} = \square$

10. $4 \times \frac{1}{10} = \square$

11. $7 \times \frac{1}{8} = \square$

12. $2 \times \frac{1}{5} = \square$

Free to share with other families. Not for resale.

Fraction × whole number

Name _____ Date _____

Multiply the whole number by the numerator.

Common Core 4.NF.B.4b

Example $2 \times \frac{3}{8}$

1. Multiply the whole number by the numerator: $2 \times 3 = 6$.
2. Keep the denominator: eighths.

Answer: $\frac{6}{8}$

1. $4 \times \frac{2}{10} = \square$
2. $4 \times \frac{20}{100} = \square$
3. $3 \times \frac{28}{100} = \square$
4. $3 \times \frac{3}{10} = \square$
5. $3 \times \frac{8}{100} = \square$
6. $3 \times \frac{2}{8} = \square$

Multiply. Write answers greater than 1 as mixed numbers.

Example $4 \times \frac{3}{5}$

1. $4 \times 3 = 12$, so the answer is 12 fifths.
2. $12 \div 5 = 2$ remainder 2: 2 wholes and 2 fifths.

Answer: $2\frac{2}{5}$

7. $5 \times \frac{5}{12} = \square$
8. $5 \times \frac{1}{4} = \square$
9. $9 \times \frac{11}{12} = \square$
10. $7 \times \frac{4}{5} = \square$
11. $9 \times \frac{6}{10} = \square$
12. $7 \times \frac{3}{4} = \square$

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Answers

Answers are in the same order as the boxes.

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1. 3
2. 12
3. 7
4. 6
5. 9
6. 7
7. 4/6 (= 2/3)
8. 3/6 (= 1/2)
9. 3/10
10. 4/10 (= 2/5)
11. 7/8
12. 2/5

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1. 8/10 (= 4/5)
2. 80/100 (= 4/5)
3. 84/100 (= 21/25)
4. 9/10
5. 24/100 (= 6/25)
6. 6/8 (= 3/4)
7. 2 1/12
8. 1 1/4
9. 8 3/12 (= 8 1/4)
10. 5 3/5
11. 5 4/10 (= 5 2/5)
12. 5 1/4

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