Dividing a unit fraction

Name _____ Date _____

Divide. Multiply the denominator by the whole number. Common Core 5.NF.B.7a

Example $\frac{1}{3} \div 6 = ?$

1. Share one third into 6 equal parts.
2. Each part is $\frac{1}{18}$, because $3 \times 6 = 18$.

Answer: $\frac{1}{18}$

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

Write >, < or =.

Example $\frac{1}{2} \div 3 \ ? \ \frac{1}{2} \div 5$

1. $\frac{1}{2} \div 3 = \frac{1}{6}$ and $\frac{1}{2} \div 5 = \frac{1}{10}$.
2. Sharing between fewer people gives bigger parts: $\frac{1}{6} > \frac{1}{10}$.

Answer: >

7. $\frac{1}{2} \div 5$ ☐ $\frac{1}{2} \div 4$
8. $\frac{1}{6} \div 2$ ☐ $\frac{1}{6} \div 9$
9. $\frac{1}{7} \div 5$ ☐ $\frac{1}{5} \div 7$
10. $\frac{1}{8} \div 2$ ☐ $\frac{1}{8} \div 8$
11. $11 \div \frac{1}{5}$ ☐ $11 \div \frac{1}{2}$
12. $\frac{1}{5} \div 4$ ☐ $\frac{1}{8} \div 5$

Free to share with other families. Not for resale.

Dividing by a unit fraction

Name _____ Date _____

Divide. How many of the unit fraction fit?

Common Core 5.NF.B.7b

Example $7 \div \frac{1}{3} = ?$

1. How many thirds are in 7? Each whole has 3 thirds.
2. $7 \times 3 = 21$.

Answer: 21

1. $7 \div \frac{1}{6} =$ ☐
2. $7 \div \frac{1}{7} =$ ☐
3. $9 \div \frac{1}{8} =$ ☐
4. $14 \div \frac{1}{7} =$ ☐
5. $10 \div \frac{1}{10} =$ ☐
6. $20 \div \frac{1}{12} =$ ☐

Find the missing number.

Example $? \div \frac{1}{4} = 28$

1. Undo the division: multiply $28 \times \frac{1}{4}$.
2. $28 \times \frac{1}{4} = 28 \div 4 = 7$.

Answer: 7

7. $5 \div$ ☐ $= 15$
8. ☐ $\div \frac{1}{5} = 35$
9. ☐ $\div \frac{1}{9} = 27$
10. $11 \div$ ☐ $= 66$
11. ☐ $\div 7 = \frac{1}{49}$
12. ☐ $\div \frac{1}{2} = 22$

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Answers

Answers are in the same order as the boxes.

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1. 1/24
2. 1/28
3. 1/32
4. 1/55
5. 1/70
6. 1/77
7. <
8. >
9. =
10. >
11. >
12. >

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1. 42
2. 49
3. 72
4. 98
5. 100
6. 240
7. 1/3
8. 7
9. 3
10. 1/6
11. 1/7
12. 11

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