Dividing Unit Fractions (Visual)

Use the box to show a visual example of how to divide a fraction and a whole number.

1/3 ÷ 4 = ?

To solve, start with a whole.
Split the whole into 3 pieces and fill in 1 section.
Now you can see the size of 1/3.
Next split 1/3 into 4 groups.
This shows the size of each piece.
To figure out the size of each piece in comparison to the whole, split the whole into 4 groups.
Each piece is 1/12 of the whole. Or:
1/3 ÷ 4 = 1/12

1) \( \frac{1}{2} \div 7 = \)

2) \( \frac{1}{7} \div 9 = \)

3) \( \frac{1}{6} \div 3 = \)

4) \( \frac{1}{6} \div 6 = \)

5) \( \frac{1}{7} \div 5 = \)

6) \( \frac{1}{6} \div 6 = \)

7) \( \frac{1}{4} \div 9 = \)

8) \( \frac{1}{9} \div 4 = \)

9) \( \frac{1}{7} \div 7 = \)

10) \( \frac{1}{4} \div 7 = \)

11) \( \frac{1}{3} \div 7 = \)

12) \( \frac{1}{6} \div 4 = \)
Dividing Unit Fractions (Visual)

Use the box to show a visual example of how to divide a fraction and a whole number.

\( \frac{1}{3} \div 4 = ? \)

To solve, start with a whole. Split the whole into 3 pieces and fill in 1 section. Now you can see the size of \( \frac{1}{3} \). Next split \( \frac{1}{3} \) into 4 groups. This shows the size of each piece. To figure out the size of each piece in comparison to the whole, split the whole into 4 groups. Each piece is \( \frac{1}{12} \) of the whole. Or: \( \frac{1}{3} \div 4 = \frac{1}{12} \)

1) \( \frac{1}{2} \div 7 = \)

2) \( \frac{1}{7} \div 9 = \)

3) \( \frac{1}{6} \div 3 = \)

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12) \( \frac{1}{6} \div 4 = \)

Answers

1. \( \frac{1}{14} \)

2. \( \frac{1}{63} \)

3. \( \frac{1}{18} \)

4. \( \frac{1}{36} \)

5. \( \frac{1}{35} \)

6. \( \frac{1}{36} \)

7. \( \frac{1}{36} \)

8. \( \frac{1}{36} \)

9. \( \frac{1}{49} \)

10. \( \frac{1}{28} \)

11. \( \frac{1}{21} \)

12. \( \frac{1}{24} \)