

Fraction calculations

Simplify, multiply and divide fractions.

Name: _____ Date: _____

1. Simplify $18/24$.

2. Calculate $3/4 + 2/3$.

3. Calculate $5/6 - 1/4$.

4. Calculate $2/3 \times 3/5$.

5. Calculate $3/4$ divided by 3.

6. Find $5/8$ of 64.

7. Which is larger: $7/12$ or $3/5$?

8. A bottle holds $1 \frac{1}{2}$ litres. You pour out $2/5$ litre. How much is left?

Answers: Fraction calculations

Try the questions first. Use these notes to check your thinking.

1. **$\frac{3}{4}$**

Divide the numerator and denominator by 6.

2. **$\frac{17}{12}$ or $1\frac{5}{12}$**

Use twelfths: $\frac{9}{12} + \frac{8}{12}$.

3. **$\frac{7}{12}$**

$\frac{10}{12} - \frac{3}{12} = \frac{7}{12}$.

4. **$\frac{2}{5}$**

$\frac{6}{15}$ simplifies to $\frac{2}{5}$.

5. **$\frac{1}{4}$**

Share three quarters into three equal groups.

6. **40**

64 divided by 8 = 8; $8 \times 5 = 40$.

7. **$\frac{3}{5}$**

Compare $\frac{35}{60}$ and $\frac{36}{60}$.

8. **$1\frac{1}{10}$ litres**

$\frac{15}{10} - \frac{4}{10} = \frac{11}{10}$.

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