Fractions

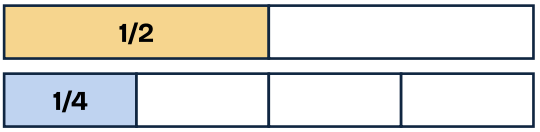
Name: _____ Date: _____

Remember: We can only add fractions when the pieces are the **same size**: that is why the denominators must match. First make the denominators the same, then add only the numerators. With mixed numbers: first make improper fractions.

1. $\frac{2}{7} + \frac{3}{7} =$

Answer: _____

2. Use the strips. $\frac{1}{2} + \frac{1}{4} =$



Answer: _____

3. $\frac{2}{3} + \frac{1}{6} =$

Answer: _____

4. $\frac{3}{4} - \frac{3}{8} =$

Answer: _____

5. $\frac{5}{6} + \frac{2}{3} =$

Answer: _____

6. $\frac{9}{10} - \frac{2}{5} =$

Answer: _____

7. $1\frac{1}{4} + 2\frac{1}{2} =$

Answer: _____

8. $3\frac{5}{6} - 1\frac{1}{3} =$

Answer: _____

9. $4 - 1\frac{3}{5} =$

Answer: _____

10. $2\frac{3}{4} + 1\frac{5}{8} =$

Answer: _____

11. $5\frac{1}{3} - 2\frac{5}{6} =$

Answer: _____

12. Lindiwe walks $1\frac{3}{4}$ km to school and then another $\frac{5}{8}$ km to the shop. How far does she walk altogether?

Answer: _____

13. A cake recipe needs $2\frac{1}{2}$ cups of flour. Sipho has 4 cups. How much flour is left?

Answer: _____

14. A water tank is $\frac{5}{6}$ full. The family uses $\frac{1}{3}$ of the tank. What fraction of the tank is full now?

Answer: _____

15. Which is bigger: $\frac{3}{4}$ or $\frac{5}{8}$? How much bigger?

Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Fractions

1. $\frac{5}{7}$

$\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$ (the denominators are already the same)

2. $\frac{3}{4}$

$\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$

3. $\frac{5}{6}$

$\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$

4. $\frac{3}{8}$

$\frac{6}{8} - \frac{3}{8} = \frac{3}{8}$

5. $1\frac{1}{2}$

$\frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{1}{2}$

6. $\frac{1}{2}$

$\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$

7. $3\frac{3}{4}$

$\frac{5}{4} + \frac{10}{4} = \frac{15}{4} = 3\frac{3}{4}$

8. $2\frac{1}{2}$

$\frac{23}{6} - \frac{8}{6} = \frac{15}{6} = 2\frac{1}{2}$

9. $2\frac{2}{5}$

$\frac{20}{5} - \frac{8}{5} = \frac{12}{5} = 2\frac{2}{5}$

10. $4\frac{3}{8}$

$\frac{22}{8} + \frac{13}{8} = \frac{35}{8} = 4\frac{3}{8}$

11. $2\frac{1}{2}$

$\frac{32}{6} - \frac{17}{6} = \frac{15}{6} = 2\frac{1}{2}$

12. $2\frac{3}{8}$ km

$1\frac{6}{8} + \frac{5}{8} = 1\frac{11}{8} = 2\frac{3}{8}$

13. $1\frac{1}{2}$ cups

$4 - 2\frac{1}{2} = 1\frac{1}{2}$

14. $\frac{1}{2}$

$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

15. $\frac{3}{4}$ is bigger, by $\frac{1}{8}$

$\frac{3}{4} = \frac{6}{8}$; $\frac{6}{8} - \frac{5}{8} = \frac{1}{8}$

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