

Fractions — Add & Subtract

Fractions, Decimals & % · Grade 4

Score: _____ / 14

★ Hard · 14 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. $1 \frac{1}{2} + 2 \frac{1}{4} = \underline{\hspace{2cm}}$

Answer: _____

2. $3 \frac{2}{3} - 1 \frac{1}{3} = \underline{\hspace{2cm}}$

Answer: _____

3. $2\frac{3}{4} + 1\frac{1}{2} = \underline{\hspace{2cm}}$

Answer: _____

4. $4\frac{1}{3} - 1\frac{3}{4} = \underline{\hspace{2cm}}$

Answer: _____

5. $5\frac{2}{5} + 2\frac{3}{10} = \underline{\hspace{2cm}}$

Answer: _____

6. A rope is $6\frac{1}{2}$ m. Sam cuts off $2\frac{3}{4}$ m.
How much rope is left?

Answer: _____

7. $7\frac{1}{6} - 3\frac{5}{6} = \underline{\hspace{2cm}}$

Answer: _____

8. A container holds $4\frac{2}{3}$ L. You pour out $1\frac{5}{6}$ L.
How much is left?

Answer: _____

9. $2\frac{1}{2} + 3\frac{2}{3} + 1\frac{1}{6} = \underline{\hspace{2cm}}$

Answer: _____

10. $9 - 3\frac{5}{8} = \underline{\hspace{2cm}}$

Answer: _____

- 11.** Kai runs $2\frac{3}{4}$ km in the morning and $1\frac{1}{2}$ km in the evening.
How far does he run in one day?

Answer: _____

12. $6 \frac{1}{4} - 2 \frac{5}{6} = \underline{\hspace{2cm}}$

Answer: _____

13. Simplify: $\frac{8}{12} + \frac{9}{12}$

Answer: _____

14. A hiker walked $3 \frac{2}{5}$ km on Day 1, $4 \frac{1}{2}$ km on Day 2, and $2 \frac{3}{10}$ km on Day 3.

How far in total?

Answer: _____

Answer Key

Fractions — Add & Subtract — Hard

1. **3 3/4**

Wholes: $1+2=3$. Fractions: $1/2+1/4 = 2/4+1/4 = 3/4$. Total: $3\ 3/4$.

2. **2 1/3**

Wholes: $3-1=2$. Fractions: $2/3-1/3=1/3$. Total: $2\ 1/3$.

3. **4 1/4**

Wholes: $2+1=3$. Fractions: $3/4+2/4=5/4=1\ 1/4$. Total: $3+1\ 1/4=4\ 1/4$.

4. **2 7/12**

LCD=12. $4\ 4/12 - 1\ 9/12 \rightarrow$ borrow: $3\ 16/12 - 1\ 9/12 = 2\ 7/12$.

5. **7 7/10**

LCD=10. $5\ 4/10 + 2\ 3/10 = 7\ 7/10$.

6. **3 3/4 m**

LCD=4. $6\ 2/4 - 2\ 3/4 \rightarrow$ borrow: $5\ 6/4 - 2\ 3/4 = 3\ 3/4\text{ m}$.

7. **3 1/3**

Borrow: $6\ 7/6 - 3\ 5/6 = 3\ 2/6 = 3\ 1/3$.

8. **2 5/6 L**

LCD=6. $4\ 4/6 - 1\ 5/6 \rightarrow$ borrow: $3\ 10/6 - 1\ 5/6 = 2\ 5/6$.

9. **7 1/3**

LCD=6. $2\ 3/6 + 3\ 4/6 + 1\ 1/6 = 6\ 8/6 = 7\ 2/6 = 7\ 1/3$.

10. **5 3/8**

Write 9 as $8\ 8/8$. $8\ 8/8 - 3\ 5/8 = 5\ 3/8$.

11. 4 1/4 km

$LCD=4$. $2 \frac{3}{4} + 1 \frac{2}{4} = 3 \frac{5}{4} = 4 \frac{1}{4} \text{ km}$.

12. 3 5/12

$LCD=12$. $6 \frac{3}{12} - 2 \frac{10}{12} \rightarrow \text{borrow: } 5 \frac{15}{12} - 2 \frac{10}{12} = 3 \frac{5}{12}$.

13. 1 5/12

$8+9=17$. $17/12 = 1 \frac{5}{12}$.

14. 10 1/5 km

$LCD=10$. $3 \frac{4}{10} + 4 \frac{5}{10} + 2 \frac{3}{10} = 9 \frac{12}{10} = 10 \frac{2}{10} = 10 \frac{1}{5} \text{ km}$.
