

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Subtracting Three Fractions

Subtract three fractions in order and simplify when requested. Simplify each answer to lowest terms.

1. $\frac{2}{3} - \frac{1}{4} - \frac{1}{3}$

2. $\frac{2}{3} - \frac{1}{4} - \frac{1}{3}$

3. $\frac{4}{5} - \frac{1}{5} - \frac{1}{2}$

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

5. $\frac{2}{3} - \frac{1}{4} - \frac{1}{5}$

6. $\frac{2}{3} - \frac{2}{5} - \frac{1}{4}$

7. $\frac{2}{4} - \frac{1}{10} - \frac{1}{3}$

8. $\frac{1}{2} - \frac{1}{10} - \frac{1}{3}$

9. $\frac{2}{3} - \frac{1}{3} - \frac{2}{10}$

10. $\frac{4}{5} - \frac{1}{3} - \frac{1}{10}$

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Subtracting Three Fractions - Answer key

Subtract three fractions in order and simplify when requested. Simplify each answer to lowest terms.

1.

$$\frac{2}{3} - \frac{1}{4} - \frac{1}{3}$$
$$= \frac{1}{12}$$

Use common denominator 12: $2/3 = 8/12$; $1/4 = 3/12$;
 $1/3 = 4/12$.
 $(8 - 3 - 4) / 12 = 1/12$
Already in lowest terms: $1/12$.

2.

$$\frac{2}{3} - \frac{1}{4} - \frac{1}{3}$$
$$= \frac{1}{12}$$

Use common denominator 12: $2/3 = 8/12$; $1/4 = 3/12$;
 $1/3 = 4/12$.
 $(8 - 3 - 4) / 12 = 1/12$
Already in lowest terms: $1/12$.

3.

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

Use common denominator 10: $4/5 = 8/10$; $1/5 = 2/10$;
 $1/2 = 5/10$.
 $(8 - 2 - 5) / 10 = 1/10$
Already in lowest terms: $1/10$.

4.

$$\frac{3}{5} - \frac{1}{5} - \frac{1}{4}$$
$$= \frac{3}{20}$$

Use common denominator 20: $3/5 = 12/20$; $1/5 = 4/20$;
 $1/4 = 5/20$.
 $(12 - 4 - 5) / 20 = 3/20$
Already in lowest terms: $3/20$.

5.

$$\frac{2}{3} - \frac{1}{4} - \frac{1}{5}$$
$$= \frac{13}{60}$$

Use common denominator 60: $2/3 = 40/60$; $1/4 = 15/60$;
 $1/5 = 12/60$.
 $(40 - 15 - 12) / 60 = 13/60$
Already in lowest terms: $13/60$.

6.

$$\frac{2}{3} - \frac{2}{5} - \frac{1}{4}$$
$$= \frac{1}{60}$$

Use common denominator 60: $2/3 = 40/60$; $2/5 = 24/60$;
 $1/4 = 15/60$.
 $(40 - 24 - 15) / 60 = 1/60$
Already in lowest terms: $1/60$.

7.

$$\frac{2}{4} - \frac{1}{10} - \frac{1}{3}$$
$$= \frac{1}{15}$$

Use common denominator 60: $2/4 = 30/60$; $1/10 = 6/60$;
 $1/3 = 20/60$.
 $(30 - 6 - 20) / 60 = 4/60$
Divide both parts by 4: $4/60 = 1/15$.

8.

$$\frac{1}{2} - \frac{1}{10} - \frac{1}{3}$$
$$= \frac{1}{15}$$

Use common denominator 30: $1/2 = 15/30$; $1/10 = 3/30$;
 $1/3 = 10/30$.
 $(15 - 3 - 10) / 30 = 2/30$
Divide both parts by 2: $2/30 = 1/15$.

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9.

$$\frac{2}{3} - \frac{1}{3} - \frac{2}{10}$$
$$= \frac{2}{15}$$

Use common denominator 30: $\frac{2}{3} = \frac{20}{30}$; $\frac{1}{3} = \frac{10}{30}$;
 $\frac{2}{10} = \frac{6}{30}$.
 $(20 - 10 - 6) / 30 = 4/30$
Divide both parts by 2: $4/30 = 2/15$.

10.

$$\frac{4}{5} - \frac{1}{3} - \frac{1}{10}$$
$$= \frac{11}{30}$$

Use common denominator 30: $\frac{4}{5} = \frac{24}{30}$; $\frac{1}{3} = \frac{10}{30}$;
 $\frac{1}{10} = \frac{3}{30}$.
 $(24 - 10 - 3) / 30 = 11/30$
Already in lowest terms: $11/30$.