

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Subtracting Mixed Numbers

Subtract mixed numbers with the selected amount of regrouping practice.

1. $5 \frac{6}{10} - 1 \frac{1}{3}$

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

3. $9 \frac{3}{4} - 7 \frac{3}{10}$

4. $6 \frac{8}{10} - 2 \frac{4}{5}$

5. $8 \frac{4}{5} - 7 \frac{1}{4}$

6. $7 \frac{3}{5} - 6 \frac{1}{3}$

7. $7 \frac{9}{10} - 5 \frac{1}{2}$

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

9. $3 \frac{4}{5} - 1 \frac{4}{10}$

10. $11 \frac{2}{5} - 7 \frac{1}{4}$

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Subtracting Mixed Numbers - Answer key

Subtract mixed numbers with the selected amount of regrouping practice.

1.

$$5 \frac{6}{10} - 1 \frac{1}{3}$$
$$= 4 \frac{4}{15}$$

$$5 \frac{6}{10} = (5 \times 10 + 6) / 10 = 56/10$$

$$1 \frac{1}{3} = (1 \times 3 + 1) / 3 = 4/3$$

Use common denominator 30: $56/10 = 168/30$; $4/3 = 40/30$.

$$(168 - 40) / 30 = 128/30$$

Divide both parts by 2: $128/30 = 64/15$.

2.

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

$$4 \frac{2}{5} = (4 \times 5 + 2) / 5 = 22/5$$

$$3 \frac{1}{5} = (3 \times 5 + 1) / 5 = 16/5$$

Use common denominator 5: $22/5 = 22/5$; $16/5 = 16/5$.

$$(22 - 16) / 5 = 6/5$$

Already in lowest terms: $6/5$.

3.

$$9 \frac{3}{4} - 7 \frac{3}{10}$$
$$= 2 \frac{9}{20}$$

$$9 \frac{3}{4} = (9 \times 4 + 3) / 4 = 39/4$$

$$7 \frac{3}{10} = (7 \times 10 + 3) / 10 = 73/10$$

Use common denominator 20: $39/4 = 195/20$; $73/10 = 146/20$.

$$(195 - 146) / 20 = 49/20$$

Already in lowest terms: $49/20$.

4.

$$6 \frac{8}{10} - 2 \frac{4}{5}$$
$$= 4$$

$$6 \frac{8}{10} = (6 \times 10 + 8) / 10 = 68/10$$

$$2 \frac{4}{5} = (2 \times 5 + 4) / 5 = 14/5$$

Use common denominator 10: $68/10 = 68/10$; $14/5 = 28/10$.

$$(68 - 28) / 10 = 40/10$$

Divide both parts by 10: $40/10 = 4$.

5.

$$8 \frac{4}{5} - 7 \frac{1}{4}$$
$$= 1 \frac{11}{20}$$

$$8 \frac{4}{5} = (8 \times 5 + 4) / 5 = 44/5$$

$$7 \frac{1}{4} = (7 \times 4 + 1) / 4 = 29/4$$

Use common denominator 20: $44/5 = 176/20$; $29/4 = 145/20$.

$$(176 - 145) / 20 = 31/20$$

Already in lowest terms: $31/20$.

6.

$$7 \frac{3}{5} - 6 \frac{1}{3}$$
$$= 1 \frac{4}{15}$$

$$7 \frac{3}{5} = (7 \times 5 + 3) / 5 = 38/5$$

$$6 \frac{1}{3} = (6 \times 3 + 1) / 3 = 19/3$$

Use common denominator 15: $38/5 = 114/15$; $19/3 = 95/15$.

$$(114 - 95) / 15 = 19/15$$

Already in lowest terms: $19/15$.

7.

$$7 \frac{9}{10} - 5 \frac{1}{2}$$
$$= 2 \frac{2}{5}$$

$$7 \frac{9}{10} = (7 \times 10 + 9) / 10 = 79/10$$

$$5 \frac{1}{2} = (5 \times 2 + 1) / 2 = 11/2$$

Use common denominator 10: $79/10 = 79/10$; $11/2 = 55/10$.

$$(79 - 55) / 10 = 24/10$$

Divide both parts by 2: $24/10 = 12/5$.

8.

$$2 \frac{3}{4} - 1 \frac{5}{10}$$
$$= 1 \frac{1}{4}$$

$$2 \frac{3}{4} = (2 \times 4 + 3) / 4 = 11/4$$

$$1 \frac{5}{10} = (1 \times 10 + 5) / 10 = 15/10$$

Use common denominator 20: $11/4 = 55/20$; $15/10 = 30/20$.

$$(55 - 30) / 20 = 25/20$$

Divide both parts by 5: $25/20 = 5/4$.

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9.

$$3 \frac{4}{5} - 1 \frac{4}{10}$$
$$= 2 \frac{2}{5}$$

$$3 \frac{4}{5} = (3 \times 5 + 4) / 5 = 19/5$$

$$1 \frac{4}{10} = (1 \times 10 + 4) / 10 = 14/10$$

Use common denominator 10: $19/5 = 38/10$; $14/10 = 14/10$.

$$(38 - 14) / 10 = 24/10$$

$$\text{Divide both parts by 2: } 24/10 = 12/5.$$

10.

$$11 \frac{2}{5} - 7 \frac{1}{4}$$
$$= 4 \frac{3}{20}$$

$$11 \frac{2}{5} = (11 \times 5 + 2) / 5 = 57/5$$

$$7 \frac{1}{4} = (7 \times 4 + 1) / 4 = 29/4$$

Use common denominator 20: $57/5 = 228/20$; $29/4 = 145/20$.

$$(228 - 145) / 20 = 83/20$$

Already in lowest terms: $83/20$.