

Math Sheet

Name _____ Score _____ / 12 Teacher _____ Date _____

Fractional Inches with Borrowing

Add or subtract selected forms of whole and fractional inches.

1.

4 in

- 1/8 in

2.

11 in

- 9 2/8 in

3.

5 3/4 in

- 4 in

4.

10 1/16 in

- 8 2/16 in

5.

9 in

- 3/4 in

6.

3 in

- 1 4/8 in

7.

11 2/4 in

- 6 in

8.

3 1/2 in

- 2 1/2 in

9.

4 in

- 4/8 in

10.

6 in

- 3 13/16 in

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Fractional Inches with Borrowing

Add or subtract selected forms of whole and fractional inches.

11.

$4 \frac{11}{16} \text{ in}$

$- 1 \text{ in}$

12.

$6 \frac{1}{8} \text{ in}$

$- 1 \frac{2}{8} \text{ in}$

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Fractional Inches with Borrowing - Answer key

Add or subtract selected forms of whole and fractional inches.

1. 4 in
 $- 1/8 \text{ in}$

- $3 \frac{7}{8} \text{ in}$
- Exchange 1 whole: $4 \frac{0}{8} = 3 \frac{8}{8}$.
Use common denominator 8: $3 \frac{8}{8} = 3 \frac{8}{8}$; $1/8 = 1/8$.
 $(3 - 1) / 8 = 31/8$
Already in lowest terms: $31/8$.
2. 11 in
 $- 9 \frac{2}{8} \text{ in}$

- $1 \frac{3}{4} \text{ in}$
- Exchange 1 whole: $11 \frac{0}{8} = 10 \frac{8}{8}$.
Use common denominator 8: $10 \frac{8}{8} = 10 \frac{8}{8}$; $9 \frac{2}{8} = 9 \frac{2}{8}$.
 $(10 - 9) / 8 = 14/8$
Divide both parts by 2: $14/8 = 7/4$.
3. $5 \frac{3}{4} \text{ in}$
 $- 4 \text{ in}$

- $1 \frac{3}{4} \text{ in}$
- Use common denominator 4: $5 \frac{3}{4} = 5 \frac{3}{4}$; $4 = 4 \frac{0}{4}$.
 $(5 - 4) / 4 = 1/4$
Already in lowest terms: $1/4$.
4. $10 \frac{1}{16} \text{ in}$
 $- 8 \frac{2}{16} \text{ in}$

- $1 \frac{15}{16} \text{ in}$
- Exchange 1 whole: $10 \frac{1}{16} = 9 \frac{17}{16}$.
Use common denominator 16: $9 \frac{17}{16} = 9 \frac{17}{16}$; $8 \frac{2}{16} = 8 \frac{2}{16}$.
 $(9 - 8) / 16 = 15/16$
Already in lowest terms: $15/16$.
5. 9 in
 $- 3/4 \text{ in}$

- $8 \frac{1}{4} \text{ in}$
- Exchange 1 whole: $9 \frac{0}{4} = 8 \frac{4}{4}$.
Use common denominator 4: $8 \frac{4}{4} = 8 \frac{4}{4}$; $3/4 = 3/4$.
 $(8 - 3) / 4 = 5/4$
Already in lowest terms: $5/4$.
6. 3 in
 $- 1 \frac{4}{8} \text{ in}$

- $1 \frac{1}{2} \text{ in}$
- Exchange 1 whole: $3 \frac{0}{8} = 2 \frac{8}{8}$.
Use common denominator 8: $2 \frac{8}{8} = 2 \frac{8}{8}$; $1 \frac{4}{8} = 1 \frac{4}{8}$.
 $(2 - 1) / 8 = 12/8$
Divide both parts by 4: $12/8 = 3/2$.

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Add or subtract selected forms of whole and fractional inches.

7. $11 \frac{2}{4} \text{ in}$
 $- 6 \text{ in}$

- 5 $\frac{1}{2}$ in
- Use common denominator 4: $\frac{46}{4} = \frac{46}{4}$; $\frac{24}{4} = \frac{24}{4}$.
 $(46 - 24) / 4 = \frac{22}{4}$
Divide both parts by 2: $\frac{22}{4} = \frac{11}{2}$.
8. $3 \frac{1}{2} \text{ in}$
 $- 2 \frac{1}{2} \text{ in}$

- 1 in
- Use common denominator 2: $\frac{7}{2} = \frac{7}{2}$; $\frac{5}{2} = \frac{5}{2}$.
 $(7 - 5) / 2 = \frac{2}{2}$
Divide both parts by 2: $\frac{2}{2} = 1$.
9. 4 in
 $- \frac{4}{8} \text{ in}$

- 3 $\frac{1}{2}$ in
- Exchange 1 whole: $4 \frac{0}{8} = 3 \frac{8}{8}$.
Use common denominator 8: $\frac{32}{8} = \frac{32}{8}$; $\frac{4}{8} = \frac{4}{8}$.
 $(32 - 4) / 8 = \frac{28}{8}$
Divide both parts by 4: $\frac{28}{8} = \frac{7}{2}$.
10. 6 in
 $- 3 \frac{13}{16} \text{ in}$

- 2 $\frac{3}{16}$ in
- Exchange 1 whole: $6 \frac{0}{16} = 5 \frac{16}{16}$.
Use common denominator 16: $\frac{96}{16} = \frac{96}{16}$; $\frac{61}{16} = \frac{61}{16}$.
 $(96 - 61) / 16 = \frac{35}{16}$
Already in lowest terms: $\frac{35}{16}$.
11. $4 \frac{11}{16} \text{ in}$
 $- 1 \text{ in}$

- 3 $\frac{11}{16}$ in
- Use common denominator 16: $\frac{75}{16} = \frac{75}{16}$; $\frac{16}{16} = \frac{16}{16}$.
 $(75 - 16) / 16 = \frac{59}{16}$
Already in lowest terms: $\frac{59}{16}$.
12. $6 \frac{1}{8} \text{ in}$
 $- 1 \frac{2}{8} \text{ in}$

- 4 $\frac{7}{8}$ in
- Exchange 1 whole: $6 \frac{1}{8} = 5 \frac{9}{8}$.
Use common denominator 8: $\frac{49}{8} = \frac{49}{8}$; $\frac{10}{8} = \frac{10}{8}$.
 $(49 - 10) / 8 = \frac{39}{8}$
Already in lowest terms: $\frac{39}{8}$.