

Math Sheet

Name _____ Score _____ / 12 Teacher _____ Date _____

Feet and Fractional Inches

Add or subtract measurements written in feet, inches, and fractional inches.

1.

6 ft 1/16 in

- 2 ft 2 2/16 in

2.

4 ft 1/16 in

- 1 ft 4 2/16 in

3.

7 ft 1/8 in

- 1 ft 4 2/8 in

4.

7 ft 1/16 in

- 1 ft 4 2/16 in

5.

5 ft 1/16 in

- 2 ft 4 2/16 in

6.

5 ft 1/4 in

- 2 ft 4 2/4 in

7.

6 ft 1/16 in

- 2 ft 4 2/16 in

8.

8 ft 1/16 in

- 1 ft 2 2/16 in

9.

6 ft 1/8 in

- 1 ft 1 2/8 in

10.

5 ft 1/8 in

- 1 ft 1 2/8 in

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Feet and Fractional Inches

Add or subtract measurements written in feet, inches, and fractional inches.

11.

3 ft 1/8 in

- 1 ft 3 2/8 in

12.

7 ft 1/8 in

- 2 ft 4 2/8 in

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Feet and Fractional Inches - Answer key

Add or subtract measurements written in feet, inches, and fractional inches.

1. $\begin{array}{r} 6 \text{ ft } 1/16 \text{ in} \\ - 2 \text{ ft } 2 \frac{2}{16} \text{ in} \\ \hline 3 \text{ ft } 9 \frac{15}{16} \text{ in} \end{array}$	2. $\begin{array}{r} 4 \text{ ft } 1/16 \text{ in} \\ - 1 \text{ ft } 4 \frac{2}{16} \text{ in} \\ \hline 2 \text{ ft } 7 \frac{15}{16} \text{ in} \end{array}$
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Exchange units: $6 \text{ ft } 1/16 \text{ in} = 5 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $1153/16 = 1153/16$;
 $418/16 = 418/16$.
 $(1153 - 418) / 16 = 735/16$
Already in lowest terms: $735/16$.

Exchange units: $4 \text{ ft } 1/16 \text{ in} = 3 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $769/16 = 769/16$;
 $258/16 = 258/16$.
 $(769 - 258) / 16 = 511/16$
Already in lowest terms: $511/16$.

3. $\begin{array}{r} 7 \text{ ft } 1/8 \text{ in} \\ - 1 \text{ ft } 4 \frac{2}{8} \text{ in} \\ \hline 5 \text{ ft } 7 \frac{7}{8} \text{ in} \end{array}$	4. $\begin{array}{r} 7 \text{ ft } 1/16 \text{ in} \\ - 1 \text{ ft } 4 \frac{2}{16} \text{ in} \\ \hline 5 \text{ ft } 7 \frac{15}{16} \text{ in} \end{array}$
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Exchange units: $7 \text{ ft } 1/8 \text{ in} = 6 \text{ ft } 12 \frac{1}{8} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{8} = 11 \frac{9}{8}$.
Use common denominator 8: $673/8 = 673/8$; $130/8 = 130/8$.
 $(673 - 130) / 8 = 543/8$
Already in lowest terms: $543/8$.

Exchange units: $7 \text{ ft } 1/16 \text{ in} = 6 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $1345/16 = 1345/16$;
 $258/16 = 258/16$.
 $(1345 - 258) / 16 = 1087/16$
Already in lowest terms: $1087/16$.

5. $\begin{array}{r} 5 \text{ ft } 1/16 \text{ in} \\ - 2 \text{ ft } 4 \frac{2}{16} \text{ in} \\ \hline 2 \text{ ft } 7 \frac{15}{16} \text{ in} \end{array}$	6. $\begin{array}{r} 5 \text{ ft } 1/4 \text{ in} \\ - 2 \text{ ft } 4 \frac{2}{4} \text{ in} \\ \hline 2 \text{ ft } 7 \frac{3}{4} \text{ in} \end{array}$
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Exchange units: $5 \text{ ft } 1/16 \text{ in} = 4 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $961/16 = 961/16$;
 $450/16 = 450/16$.
 $(961 - 450) / 16 = 511/16$
Already in lowest terms: $511/16$.

Exchange units: $5 \text{ ft } 1/4 \text{ in} = 4 \text{ ft } 12 \frac{1}{4} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{4} = 11 \frac{5}{4}$.
Use common denominator 4: $241/4 = 241/4$; $114/4 = 114/4$.
 $(241 - 114) / 4 = 127/4$
Already in lowest terms: $127/4$.

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Add or subtract measurements written in feet, inches, and fractional inches.

- 7.
- $$\begin{array}{r} 6 \text{ ft } 1/16 \text{ in} \\ - 2 \text{ ft } 4 \frac{2}{16} \text{ in} \\ \hline \end{array}$$
- 3 ft 7 $\frac{15}{16}$ in
- Exchange units: $6 \text{ ft } 1/16 \text{ in} = 5 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $1153/16 = 1153/16$;
 $450/16 = 450/16$.
 $(1153 - 450) / 16 = 703/16$
Already in lowest terms: $703/16$.
- 8.
- $$\begin{array}{r} 8 \text{ ft } 1/16 \text{ in} \\ - 1 \text{ ft } 2 \frac{2}{16} \text{ in} \\ \hline \end{array}$$
- 6 ft 9 $\frac{15}{16}$ in
- Exchange units: $8 \text{ ft } 1/16 \text{ in} = 7 \text{ ft } 12 \frac{1}{16} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{16} = 11 \frac{17}{16}$.
Use common denominator 16: $1537/16 = 1537/16$;
 $226/16 = 226/16$.
 $(1537 - 226) / 16 = 1311/16$
Already in lowest terms: $1311/16$.
- 9.
- $$\begin{array}{r} 6 \text{ ft } 1/8 \text{ in} \\ - 1 \text{ ft } 1 \frac{2}{8} \text{ in} \\ \hline \end{array}$$
- 4 ft 10 $\frac{7}{8}$ in
- Exchange units: $6 \text{ ft } 1/8 \text{ in} = 5 \text{ ft } 12 \frac{1}{8} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{8} = 11 \frac{9}{8}$.
Use common denominator 8: $577/8 = 577/8$; $106/8 = 106/8$.
 $(577 - 106) / 8 = 471/8$
Already in lowest terms: $471/8$.
- 10.
- $$\begin{array}{r} 5 \text{ ft } 1/8 \text{ in} \\ - 1 \text{ ft } 1 \frac{2}{8} \text{ in} \\ \hline \end{array}$$
- 3 ft 10 $\frac{7}{8}$ in
- Exchange units: $5 \text{ ft } 1/8 \text{ in} = 4 \text{ ft } 12 \frac{1}{8} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{8} = 11 \frac{9}{8}$.
Use common denominator 8: $481/8 = 481/8$; $106/8 = 106/8$.
 $(481 - 106) / 8 = 375/8$
Already in lowest terms: $375/8$.
- 11.
- $$\begin{array}{r} 3 \text{ ft } 1/8 \text{ in} \\ - 1 \text{ ft } 3 \frac{2}{8} \text{ in} \\ \hline \end{array}$$
- 1 ft 8 $\frac{7}{8}$ in
- Exchange units: $3 \text{ ft } 1/8 \text{ in} = 2 \text{ ft } 12 \frac{1}{8} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{8} = 11 \frac{9}{8}$.
Use common denominator 8: $289/8 = 289/8$; $122/8 = 122/8$.
 $(289 - 122) / 8 = 167/8$
Already in lowest terms: $167/8$.
- 12.
- $$\begin{array}{r} 7 \text{ ft } 1/8 \text{ in} \\ - 2 \text{ ft } 4 \frac{2}{8} \text{ in} \\ \hline \end{array}$$
- 4 ft 7 $\frac{7}{8}$ in
- Exchange units: $7 \text{ ft } 1/8 \text{ in} = 6 \text{ ft } 12 \frac{1}{8} \text{ in}$.
Exchange 1 whole: $12 \frac{1}{8} = 11 \frac{9}{8}$.
Use common denominator 8: $673/8 = 673/8$; $226/8 = 226/8$.
 $(673 - 226) / 8 = 447/8$
Already in lowest terms: $447/8$.