

Intermediate Algebra
Skill-BUILDER # PF - 3
Finding Two Numbers that Multiply to One Number and Add Up to Another

Examples

1.

$$\begin{array}{c} + \\ 12 \\ ? \quad \quad ? \\ \cdot \\ 35 \end{array} \Rightarrow \begin{array}{c} + \\ 12 \\ 7 \quad \quad 5 \\ \cdot \\ 35 \end{array}$$

2.

$$\begin{array}{c} + \\ 9 \\ ? \quad \quad ? \\ \cdot \\ -22 \end{array} \Rightarrow \begin{array}{c} + \\ 9 \\ 11 \quad \quad -2 \\ \cdot \\ -22 \end{array}$$

3.

$$\begin{array}{c} + \\ -11 \\ ? \quad \quad ? \\ \cdot \\ -60 \end{array} \Rightarrow \begin{array}{c} + \\ -11 \\ -15 \quad \quad 4 \\ \cdot \\ -60 \end{array}$$

4.

$$\begin{array}{c} + \\ -18 \\ ? \quad \quad ? \\ \cdot \\ 45 \end{array} \Rightarrow \begin{array}{c} + \\ -18 \\ -15 \quad \quad -3 \\ \cdot \\ 45 \end{array}$$

Intermediate Algebra**Skill-Builder # PF - 3****Finding Two Numbers that Multiply to One Number and Add Up to Another**

Find two numbers that add to the top number and multiply to the bottom number.

1.

$$\begin{array}{c} + \\ ? \quad 13 \quad ? \\ \cdot \\ 42 \end{array}$$

2.

$$\begin{array}{c} + \\ ? \quad -12 \quad ? \\ \cdot \\ -64 \end{array}$$

3.

$$\begin{array}{c} + \\ ? \quad 2 \quad ? \\ \cdot \\ -63 \end{array}$$

4.

$$\begin{array}{c} + \\ ? \quad -17 \quad ? \\ \cdot \\ 72 \end{array}$$

5.

$$\begin{array}{c} + \\ ? \quad -11 \quad ? \\ \cdot \\ -42 \end{array}$$

6.

$$\begin{array}{c} + \\ ? \quad 24 \quad ? \\ \cdot \\ 63 \end{array}$$

7.

$$\begin{array}{c} + \\ ? \quad 27 \quad ? \\ \cdot \\ -90 \end{array}$$

8.

$$\begin{array}{c} + \\ ? \quad -11 \quad ? \\ \cdot \\ -80 \end{array}$$

Intermediate Algebra

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Finding Two Numbers that Multiply to One Number and Add Up to Another

Answers

1. 6 and 7
2. -16 and 4
3. 9 and -7
4. -8 and -9
5. -14 and 3

6. 21 and 3
7. 30 and -3
8. -16 and 5

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