

Operations on Whole Numbers

Objective 1: Adding Whole Numbers

Example: $46 + 17$

Example: $12 + 91$

Exercises

Add:

1. $43 + 72$

2. $56 + 28$

3. $324 + 79$

Objective 2: Subtracting Whole Numbers

Example: $429 - 71$

Example: $67 - 38$

Exercises

Subtract:

1. $57 - 25$

2. $321 - 86$

3. $417 - 238$

Objective 3: Multiplying Whole Numbers

Example: 24×16

Example: 93×35

Exercises

Multiply:

1. 34×26

2. 43×52

3. 238×15

Objective 4: Dividing Whole Numbers

Example: $68 \div 4$

Example: $17 \div 4$

Example: Compute $\frac{123}{8}$

Example: Compute $\frac{2072}{24}$

Exercises

1. $324 \div 4$

2. $87 \div 5$

3. $432 \div 12$

4. $512 \div 6$

5. $259 \div 8$

Objective 5: Square Roots of Whole Numbers

Squaring a number means to multiply that number by itself. For example, $4^2 = 4 \cdot 4$ gives 16.

Example: $\sqrt{36}$

Example: $\sqrt{121}$

Exercises

Simplify:

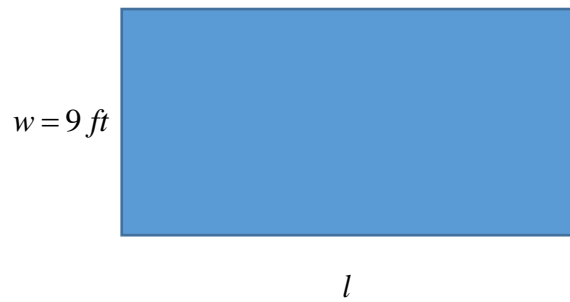
1. $\sqrt{64}$

2. $\sqrt{121}$

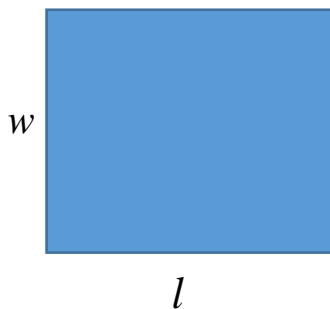
3. $\sqrt{25}$

Objective 6: Applications

Example: The area of a rectangular-shaped room needs to be 120 ft^2 and the width needs to be 9 ft . Find the length of the room.



Example: The area of a square-shaped room needs to be 144 ft^2 . Find the length and width of the room.



Exercises

1. The length of a rectangle is 8 ft. The area of the rectangle is 46 sq. ft. Find the width of the rectangle.

2. The area of a square is 121 sq. ft. Find the dimensions of the square.