

2.2.3 Area and Perimeter

Essential Question: What is the relationship between area and perimeter?

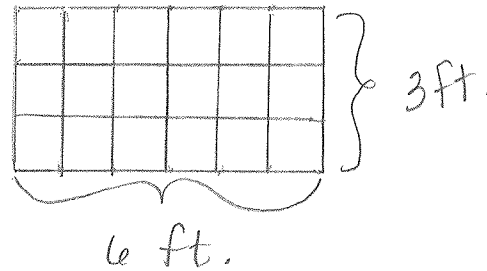
BIG IDEAS:

perimeter

the sum of the lengths of the sides of a shape

area of a rectangle

the number of square units need to cover a rectangle with no gaps or overlaps



$$P = 6 + 6 + 3 + 3$$

or

$$P = 2(6) + 2(3)$$

$$P = 12 + 6$$

$$P = 18 \text{ ft.}$$

Rather than counting all squares, you can quickly count the two dimension and multiply them together for the area.

$$A = (\text{length})(\text{width})$$

$$A = (6)(3)$$

$$A = 18 \text{ sq. feet}$$

units for area

... can be abbreviated using symbols. The area 18 square feet can be abbreviated as:

$$18 \text{ sq. ft.}$$

or 18 ft.^2