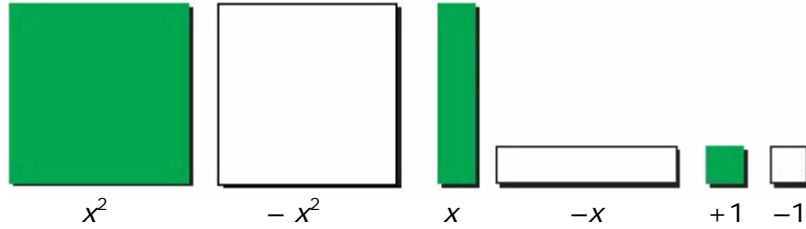


CHAPTER 3 Polynomials
 3.1 Build Algebraic Models Using Concrete Materials
 Area Models With Algebra Tiles

Algebra Tiles



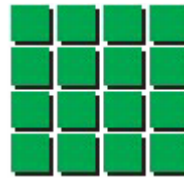
Example:

Model each area using algebra tiles:

- a) 16 m^2
- b) two floor tiles of unknown area

Solution:

a) 16 m^2 can be modelled using 16 unit tiles.



b) An unknown area can be modelled using an x^2 -tile. Use two x^2 -tiles to model the two floor tiles:



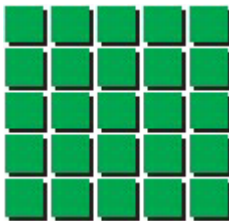
Practice:

Model each of the following using algebra tiles.

1. Ahmed used mosaic tiles measuring 1 cm by 1 cm to make a square with an area of 25 cm^2 .
2. Five new houses in a subdivision have identical square front yards of unknown area.

Answers:

1.



2.

