24 • Operations and Algebraic Thinking

Write "Subtract 16 from 80, then multiply by 4."

    $(80 - 16) \times 4$

b) $(16 + 80) \times 4$

c) $(80 - 16) \div 4$

286 • Geometry

What is the x-coordinate of point A?

a) 4

b) -5

c) 5
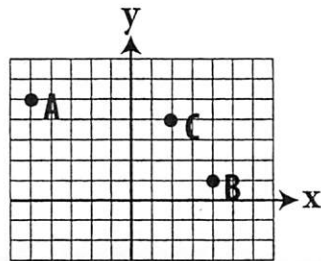
113 • Number and Operations in Base Ten

$10.95 - 6.78 = ?$

a) 4.17

b) 4.28

c) 17.73

226 • Measurement and Data

What is the volume of the cube?

a) 3 cubic units

b) 9 cubic units

c) 27 cubic units
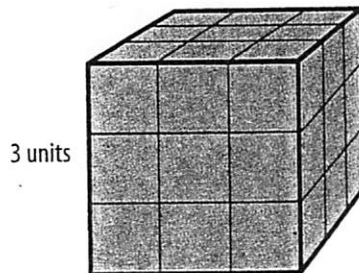
3 units

300 • Geometry

The streets of a town follow a coordinate grid. A taxi starts at the origin and drives 4 units north and 2 units west. The taxi picks up a customer and drives 7 units south. What are the new coordinates of the taxi?

a) (-2, -3)

b) (11, -2)

c) (4, -9)

166 • Number and Operations: Fractions

A recipe calls for $1\frac{3}{4}$ cup water. How much water is needed for $\frac{1}{2}$ of the recipe?

a) $\frac{1}{4}$ cup

b) $\frac{7}{8}$ cup

c) $3\frac{1}{2}$ cup

48 • Operations and Algebraic Thinking

Which two patterns are created from the rule "Multiply by 3" starting at the number -3 and the rule "Subtract 20" starting at the number 0?

a) 3, 9, 14 and 20, 40, 60

b) -3, -9, -27 and 0, -20, -40

c) -3, -6, -9 and 0, 20, 30

8 The ratio of cups to plates is 4 : 5
There are 60 plates
How many cups?

9 The ratio of doors to windows is 2 : 5
There are 21 total doors and windows
How many more windows than doors?

10 The ratio of kids to adults is 8 : 3
There are 50 more kids than adults
How many total people?

11 The ratio of cars to trucks is 6 : 7
There are 49 trucks
How many cars?

12 The ratio of peanuts to almonds to
cashews is 4 : 5 : 6
There are 24 peanuts
How many cashews?

13 The ratio of pens to pencils to markers
is 3 : 7 : 2
There are 30 pens and pencils
How many markers?

14 $14.52 for 6 sponges. How much for 4 sponges?