

Extra Practice 2A

Lesson 2.2: Adding Integers with Tiles

1. What sum does each set of tiles model?

Write the addition equation.

a) $\begin{array}{c} \boxed{Y} \boxed{Y} \boxed{Y} \\ \boxed{R} \boxed{R} \boxed{R} \boxed{R} \boxed{R} \boxed{R} \end{array}$

b) $\begin{array}{c} \boxed{Y} \boxed{Y} \boxed{Y} \boxed{Y} \boxed{Y} \\ \boxed{R} \boxed{R} \end{array}$

c) $\begin{array}{c} \boxed{Y} \\ \boxed{R} \boxed{R} \boxed{R} \boxed{R} \end{array}$

d) $\begin{array}{c} \boxed{Y} \boxed{Y} \boxed{Y} \boxed{Y} \\ \boxed{R} \boxed{R} \boxed{R} \boxed{R} \end{array}$

2. What sum does each set of tiles represent?

- a) 4 yellow tiles and 2 red tiles
b) 8 red tiles and 1 yellow tile
c) 6 yellow tiles and 16 red tiles
d) 24 yellow tiles and 37 red tiles

3. Sketch the tiles to represent each sum.

Write the addition equation.

a) $(+3) + (-1)$

b) $(+3) + (-4)$

c) $(-7) + (-2)$

d) $(+2) + (+4)$

e) $(-2) + (+5)$

f) $(-7) + (-7)$

4. Represent each sentence with integers, and then find each sum.

What does each sum represent?

a) Jose deposits \$100, and then withdraws \$27.

b) The elevator descended 4 levels, and then rose 19 levels.

c) The temperature raised 4°C , then dropped 10°C .

d) The value of the dollar rose 4¢ , and then fell 2¢ .

5. These are the scores on each hole of mini-golf.

What is the cumulative score after each hole?

Which hole did the golfer find easiest? Hardest?

Hole Number	1	2	3	4	5	6	7	8	9
Score	-3	+1	0	-1	+3	-2	-1	0	+4