

Chapter 10 Get Ready Answers

Question 1



c) abc, ab, abc

Question 2

a) 9, 11, 13

b) 30, 25, 20

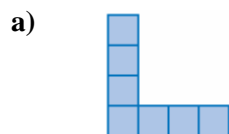
c) 15, 18, 21

d) 2000, 1000, 0

Question 3

Number of Tables	1	2	3	4
Number of Chairs	4	6	8	10

Question 4



b)

Figure Number	1	2	3	4	5
Number of Squares	1	3	5	7	9

Question 5

a) 21 comes next in the pattern.

b) Answers may vary. A pattern rule for the numbers may be that each number is 4 more than the previous number.

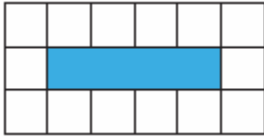
c) Answers may vary. Determine that the numbers increase, not decrease. Then, determine that they increase by 4 each step. Check that 4 is correct:

$$\begin{array}{ccccccc} 1 & \xrightarrow{+4} & 5 & \xrightarrow{+4} & 9 & \xrightarrow{+4} & 13 & \xrightarrow{+4} & 17 \\ & & +4 & & +4 & & +4 & & +4 \end{array}$$

Chapter 10 Get Ready Answers (continued)

Question 6

a)



b) Answers may vary. The pattern rule for the number of white squares is to double the deck number and add six.

c) For deck 20:

$$n = 2 \times 20 + 6$$

$$n = 40 + 6$$

$$n = 46$$

The number of white squares around the pool in deck 20 is 46.

Question 7

a) (5, 2) Move 5 units to the right. Then, move 2 units up.

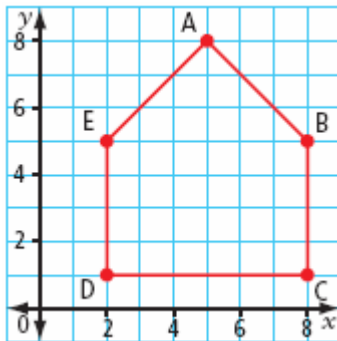
b) (7, 3) Move 7 units to the right. Then, move 3 units up.

c) (4, 6) Move 4 units to the right. Then, move 6 units up.

d) (1, 5) Move 1 unit to the right. Then, move 5 units up.

Question 8

a)–c)



Answers may vary. The shape is a pentagon or a house.