

15 What is the domain of the function shown in the table at the right?

- A  $\{(-3, -15), (-1, -9), (0, -6), (2, 0), (4, 6)\}$
- B  $\{(0, -6), (2, 0)\}$
- C  $\{-15, -9, -6, -3, -1, 0, 2, 4, 6\}$
- D  $\{-3, -1, 0, 2, 4\}$
- E  $\{-15, -9, -6, 0, 6\}$

$x$	$y$
-3	-15
-1	-9
0	-6
2	0
4	6

15 \_\_\_\_\_

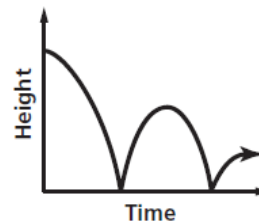
16 Which sentence represents the statement that a number minus 1 is less than the original number?

- A  $-1 - 1 < 0$
- B  $1 - 1 \leq 0$
- C  $2 - 1 = 1$
- D  $3 - 1 < 3$
- E  $4 - 1 \leq 4$

16 \_\_\_\_\_

17 Which situation best describes what is happening in the graph?

- A A skydiver jumps from a plane, free-falls, opens the parachute, then lands on the ground.
- B A group of hikers ascend and descend a mountain and several hills.
- C An airplane begins a descent, circles the airport, and lands.
- D A surfer rides a wave onto the shore.
- E A rubber ball is dropped from a window, hits the ground, and bounces up and down.



17 \_\_\_\_\_

18 Deanna can pay \$2.50 each time she swims at the local pool, or she can buy a pass for \$10 and pay \$0.50 each time she swims. The spreadsheet shows the cost of each option. What is the most reasonable interpretation of the data in the spreadsheet?

- A Since the pass costs less overall, it is the better buy.
- B Since it clearly costs more to use a pass, it is better to pay \$2.50 each time.
- C The pass is a better buy if Deanna swims 5 times or more.
- D If Deanna swims 5 times or less, it is better to pay each time.
- E If Deanna swims 6 times or more, the pass is the better buy, and if she swims 4 times or less, it is better to pay each time.

Visits	Pass	Pay Each Time
1	\$10.50	\$2.50
2	\$11.00	\$5.00
3	\$11.50	\$7.50
4	\$12.00	\$10.00
5	\$12.50	\$12.50
6	\$13.00	\$15.00
7	\$13.50	\$17.50

18 \_\_\_\_\_

15 What is the domain of the function shown in the table at the right? **II.A.2.**

$x$	$y$
-3	-15
-1	-9
0	-6
2	0
4	6

- A  $\{(-3, -15), (-1, -9), (0, -6), (2, 0), (4, 6)\}$
- B  $\{(0, -6), (2, 0)\}$
- C  $\{-15, -9, -6, -3, -1, 0, 2, 4, 6\}$
- D  $\{-3, -1, 0, 2, 4\}$
- E  $\{-15, -9, -6, 0, 6\}$

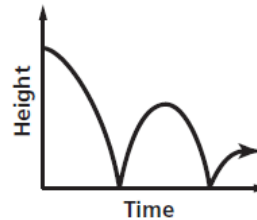
15 **D**

16 Which sentence represents the statement that a number minus 1 is less than the original number? **I.C.4.**

- A  $-1 - 1 < 0$
- B  $1 - 1 \leq 0$
- C  $2 - 1 = 1$
- D  $3 - 1 < 3$
- E  $4 - 1 \leq 4$

16 **D**

17 Which situation best describes what is happening in the graph? **I.B.3.**



- A A skydiver jumps from a plane, free-falls, opens the parachute, then lands on the ground.
- B A group of hikers ascend and descend a mountain and several hills.
- C An airplane begins a descent, circles the airport, and lands.
- D A surfer rides a wave onto the shore.
- E A rubber ball is dropped from a window, hits the ground, and bounces up and down.

17 **E**

18 Deanna can pay \$2.50 each time she swims at the local pool, or she can buy a pass for \$10 and pay \$0.50 each time she swims. The spreadsheet shows the cost of each option. What is the most reasonable interpretation of the data in the spreadsheet? **II.D.3.**

Visits	Pass	Pay Each Time
1	\$10.50	\$2.50
2	\$11.00	\$5.00
3	\$11.50	\$7.50
4	\$12.00	\$10.00
5	\$12.50	\$12.50
6	\$13.00	\$15.00
7	\$13.50	\$17.50

- A Since the pass costs less overall, it is the better buy.
- B Since it clearly costs more to use a pass, it is better to pay \$2.50 each time.
- C The pass is a better buy if Deanna swims 5 times or more.
- D If Deanna swims 5 times or less, it is better to pay each time.
- E If Deanna swims 6 times or more, the pass is the better buy, and if she swims 4 times or less, it is better to pay each time.

18 **E**