Answers to Day 12 Worksheets

DIRECTIONS: Draw conclusions about the following expressions, if $w = \frac{1}{3}$, $y = 4$, and $z = -2$.

1. $3w -$ 1

2. $y + z =$ 2

3. $y - z =$ 6

4. $w(8 + y) =$ 4

5. $6zw =$ -4

6. $3(y + z) - 6w =$ 4

DIRECTIONS: Draw conclusions about the same expressions, if $w = \frac{1}{2}$, $y = 8$, and $z = 3$.

7. $3w =$ $\frac{3}{2}$ or $1\frac{1}{2}$
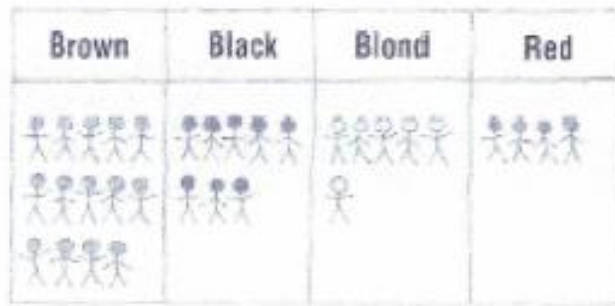
8. $y + z =$ 5

9. $y - z =$ 11

10. $w(8 + y) =$ 0

11. $6zw =$ -9

12. $3(y + z) - 6w =$ 12

DIRECTIONS: The tally chart shows the hair color of some fifth-grade students. Choose the best answer.

Brown	Black	Blond	Red

1. Which of these questions could you answer using the information on the tally chart?
   - (A) How often do the students get their hair cut?
   - (B) How many students dye their hair?
   - (C) Which students have long hair?
   - (D) How many more brown-haired students are there than blond-haired students?

2. Which graph below shows the data on the tally chart?

   (F) Brown Black Blond Red
   (G) Brown Black Blond Red
   (H) Brown Black Blond Red
   (J) Brown Black Blond Red

3. Which circle shows the shaded fraction of the students on the tally chart that have black hair?
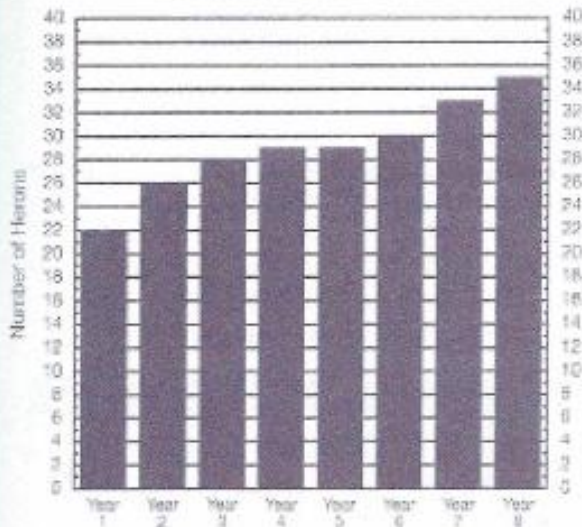
   (A)   (B)   (C)   (D)

4. Which type of chart or graph best illustrates percentages?
   - (F) tally charts
   - (G) bar graphs
   - (H) circle graphs
   - (J) line graphs

Herons on Ash Pond

1. Based on the data, how much did the heron population increase between year 1 and year 8?
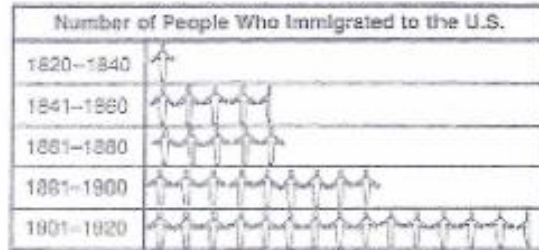
   (A) by 22

   ● by 13

   (C) by 12

   (D) by 57

2. Based on the data, what could you predict for year 11?

   ● The number of herons will increase.

   (G) The number of herons will decrease.

   (H) The number of herons will stay the same.

   (J) Herons will become endangered.

Number of People Who Immigrated to the U.S.	
1820–1840	
1841–1860	
1861–1880	
1881–1900	
1901–1920	

3. During which years did the greatest number of people immigrate?

   1901–1920

4. Use the graph below to answer question 4.
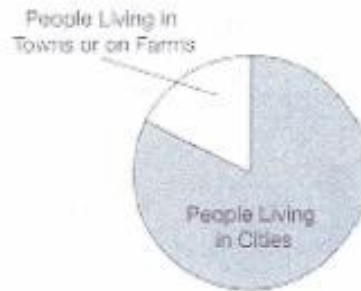
   ● 14 million

   (B) 8 million

   (C) 5 million

   (D) 3 million

STOP