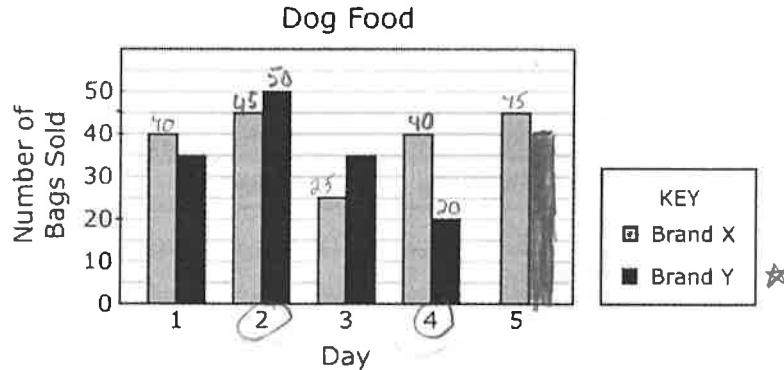Name_____Period_____Date_____

Bundle 8 Review
Bring to Class: Wednesday, January 24th
Due on Test Day: Thursday, January 25th

Use the bar graph below to answer questions 1 - 3.

Dog Food

1. How many more bags of Brand X and Brand Y dog food were sold on day 2 than on day 4?

$$45 \atop {+ 0 \atop 95}$$

$$40 \atop {+20 \atop 60}$$

$$95 \atop {-60 \atop \boxed{35}}$$

2. The total number of bags of Brand Y dog food sold during the five days was 180. How many bags of Brand Y dog food were sold on Day 5? After you find the amount of dog food sold for Brand Y on Day 5 shade it on the bar graph.

Day 1 35
     2 50
     3 35
     4 20
Day 5 ?

35
50
35
20
140

180
-140
40

40 bags

3. What was the most popular brand of dog food sold over the five days? Use the answer from question 2 to help you. Be sure to show your thinking.

Brand Y = 180
Brand X = 195

195 > 180

40
45
25
40
145
195

Use the tables for questions 4-5

Favorite Type of Museums			
history	art	art	~~science~~
~~science~~	~~science~~	art	art
~~science~~	history	media	~~science~~
history	media	science	media
art	art	history	~~science~~

Favorite Type of Museums	
Type of Museum	**Frequency**
Art	6
History	4
Media	3
Science	? 7

4. What number should be used to complete the frequency table for the students who chose Science museums?

$$\boxed{7}$$

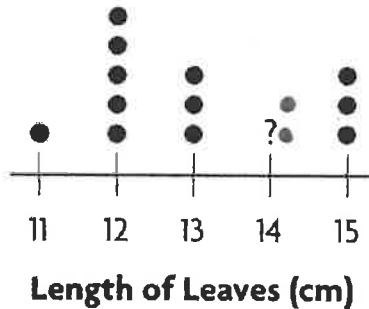5. How many more students chose Art and Science museums than History and Media museums?

$$
\begin{array}{r} 6 \\ +7 \\ \hline 13 \end{array}
\qquad
\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array}
\qquad
\begin{array}{r} 13 \\ -7 \\ \hline \boxed{6} \end{array}
$$

Use the dot plot for questions 6-7

Michelle measured leaves as part of a science project. To the nearest centimeter, the length of
each leaf is 12,13,12,12,15,13,14,15,12,12,15,14 and 11. The dot plot shows some of the data.
13

11   12   13   14   15

Length of Leaves (cm)

6. How many dots should Michelle mark above 14?

(2)

7. What is the total length of the leaves Michelle measured in her science project?

$$(11×1) + (12×5) + (3×13) + (2×14) + (3×15)$$

$$11 + 60 + 39 + 28 + 45$$

71   +   67   + 45

71
67
+45

183

(183)

8. Mandy bought 4.5 pounds of apples at HEB. Apples were being sold for $1.70 per pound.
How much did Mandy spend on the apples?

1.70
x 4.5
.850
+6800

7.650

($7.65)

9. Last week, Mr. Tutt walked his dog a total of 18.9 miles. If he walked his dog the same
distance each day, how far did they walk in one day?

7 days = 1 week

```
     2.7
7 | 18.9
   -14 ↓
     4.9
    -4 9
      0
```

(2.7 miles)

Use the following stem and leaf plot to answer questions 10 and 11.

Number of Books Read by Students

Stem	Leaf
1	③ ④ ④ ⑥ ⑨
2	① ① ② ③ ④ | 8̶ 7̶ 8 8
3	0 8̶ 8̶ 4̶ | 5̶ ⑦
4	① ② ③

10. How many more students read fewer than 25 books than read more than 35 books.

10   4

Ⓐ. 6
B. 10   10
C. 4   -4
D. 14   6

8

11. Students who read more than 25 but fewer than 35 books were given gift certificates for $5.
Students who read 35 books or more were given gift certificates worth $10. What is the total
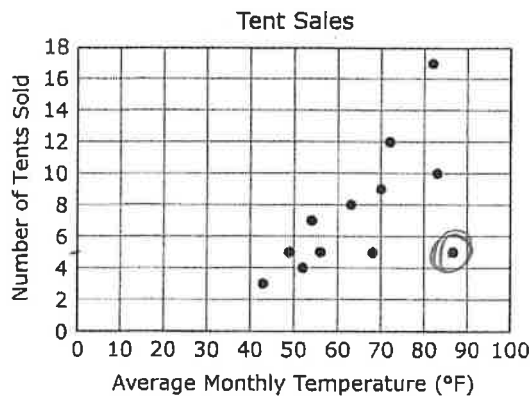value of the gift certificates given to the students?

A. $13   8   3   40
B. $65   x 5   x10   +50
C. $10   ___   ___   ___
Ⓓ $90   40   50   90

12. The scatterplot shows the average monthly temperature and the number of tents sold during
that month in a sporting goods store.

Tent Sales

How many tents are sold during the hottest month?

A. 17
B. 3
Ⓒ 5
D. 87

13. A team manager kept track of a basketball player's number of shot attempts and the number of shots made. The data is recorded in the table below.

X Basketball Player y

Number of Shot Attempts	Number of Shots Made
6	3
7	3
8	4
9	5

(6,3)
(7, 3)
(8, 4)
(9, 5)

Which scatterplot displays this data?

Basketball Player

X A.

Number of Shot Attempts

Basketball Player

X B.

Number of Shot Attempts

Basketball Player

X C.

Number of Shot Attempts

Basketball Player

D.

Number of Shot Attempts
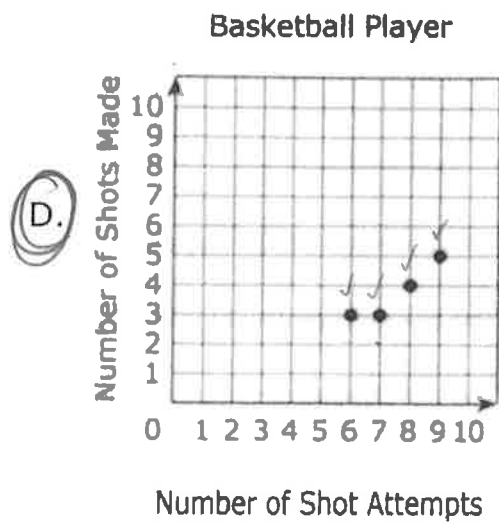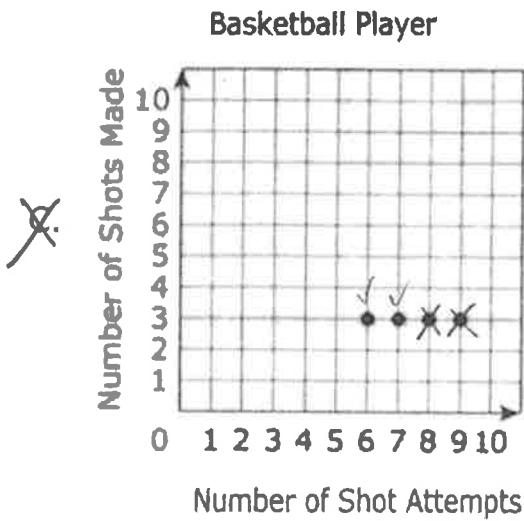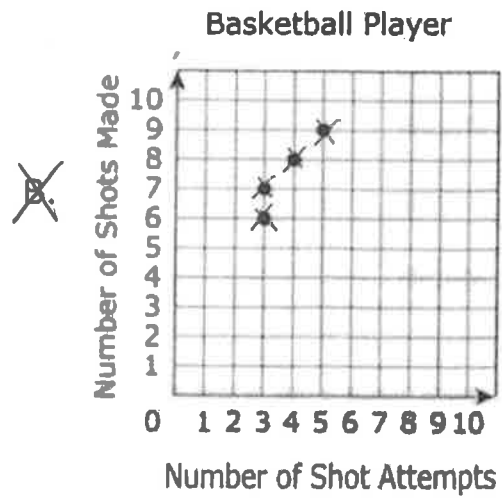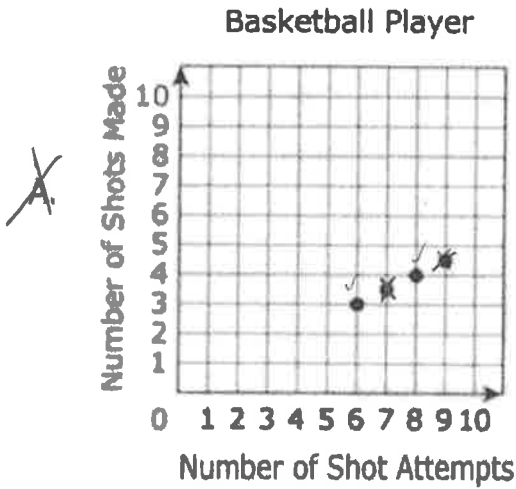
14. An expression is shown below.

$$4 \times 5[(3 + 7) - 8]$$

(handwritten: P, M D, A S)

Which operation is performed first to simplify the expression?

A. Multiplication

B. Division

C. Addition *(circled)*

D. Subtraction

15. At the movie theater, Matthew ordered 2 hotdogs for $4.25 each and 3 candy bars for $3 each. Matthew used a $5 coupon to save money.

(handwritten: 8.50 + 9)

$$[2(4.25) + 3(3)] - 5$$

What is the cost of Matthew's meal after the coupon is applied?

A $29.50

B $12.00

C $12.50 *(circled)*

D $11.50

(handwritten calculations:
4.25 × 2 = 8.50
8.50 + 9.00 = 17.50
17.50 − 5.00 = 12.50)

16. Maria made a bar graph to display the data in the table below.

Color Tiles in a Bag

Color	Number of Tiles
Red	24
Green	8
Yellow	32
Blue	16

Which statement is NOT true about a bar graph that represents the data in the table?

A. The bar representing blue tiles is twice as long as the bar representing the green tiles. *(handwritten: 16 ... 8 ... 8×2=16 ✓)*

B. The bar representing blue tiles is half the length of the bar representing the yellow tiles. *(handwritten: 16 ... 32 ... 32÷2=16 ✓)*

C. The bar representing red tiles is three times as long the bar representing the green tiles. *(handwritten: 24 ... 8×3=24 ✓)*

D. If the bar representing red tiles and the bar representing green tiles are combined, the new bar is not as long as the bar representing the yellow tiles. *(circled; handwritten: 24 ... 8 ... 32 ... 8+24=32)*

17. Macy made a frequency table to record the subjects of the videos she took on a recent vacation to Austin, Texas.

Vacation Video Record

Subject of Video	People	Scenery	Monuments	Animals
Number of Videos	12	7	5	9

Macy has decided to represent her data in a bar graph. What is the number of rectangular bars she will include on her bar graph?

4 bars

18. A scout leader recorded the amount of time it took each of 14 scouts to hike a trail at a Texas State Park.

Trail Hiking Time (hours)						
$1\frac{3}{4}$	$2\frac{1}{4}$	$1\frac{1}{2}$	2	$1\frac{1}{2}$	1	$2\frac{1}{2}$
2	$1\frac{3}{4}$	3	$2\frac{1}{2}$	2	$2\frac{1}{4}$	2

The scout leader has decided to create a dot plot to represent the data. How many dots will he record on the dot plot to represent the number of hiking times greater than 2 hours?

4 dots

19. Lucas recorded the high temperature each day for eight days. He used the data to create the stem-and-leaf plot shown below.

High Temperature	
Stem	Leaf
7	9
8	4 7 8
9	1 2 5 5

Key: 7 | 9 represents 79 °F

79
84
87
88
91
92
95
95

Which table of data is represented by the stem-and-leaf plot that Lucas created?

A.

High Temperatures (°F)							
95	92	79	84	96	88	91	96

B.

High Temperatures (°F)							
96	92	79	84	95	88	91	95

C.

High Temperatures (°F)							
95	91	79	84	94	88	91	95

D.

High Temperatures (°F)							
95	88	79	84	92	87	91	95

20. Grace read that girls and boys do not choose the same favorite color. She surveyed her class to collect data to decide if what she read is true. She recorded the data in a frequency table, then she represented the data in a bar graph.

Favorite Color Survey		
Color	Boys	Girls
Red	6	8
Blue	3	2
Green	0	3
Yellow	4	1

Which bar graph best represents the data?

A

Favorite Color

C

Favorite Color

B

Favorite Color

D

Favorite Color