1.

134070057_3

Charis invested $140. She earned a simple interest of 3% per year on the initial investment. If no money was added or removed from the investment, what was the amount of interest Charis received at the end of two years?

2.

134070099_1

A storeowner made a list of the number of greeting cards sold last month. The store sold 167 thank-you cards, 285 birthday cards, and 56 blank cards. Based on these data, which number is closest to the probability that the next customer will buy a blank card?

A   0.11

B   0.33

C   0.56

D   0.89

3.

134070022_1

The scale of a model train is 1 inch to 13.5 feet. One of the cars of the model train is 5 inches long. What is the length, in feet, of the actual train car?

4.

134070405_2

Sally has a discount card that reduces the price of her grocery bill in a certain grocery store by 5%. If c represents the cost of Sally's groceries, which expression represents Sally's grocery bill?

5.

134070060_1

A store sold 650 bicycles last year. This year the store sold 572 bicycles. What is the percent decrease in the number of bicycles sold from last year to this year?

6.	134070039_2
	The label on a $1\frac{1}{2}$-pound bag of wildflower seeds states that it will cover an area of 375 square feet. Based on this information, what is the number of square feet that 1 pound of wildflower seeds will cover?
7.	124070026_4
	Which expression is equivalent to $(7x - 5) - (3x - 2)$?
8.	124070012_2
	The Lions won 16 games last year. This year the Lions won 20 games. What is the percent increase in the number of games the Lions won from last year to this year?

9.

124070507_3

The table shows prices for shoe rental, games, and snacks at the bowling alley.

BOWLING ALLEY PRICES

Item	Price
Shoe rental	$2.75
One game of bowling	$2.50
Small soda	$0.95
Large soda	$1.50
Nachos	$1.75

Gina rented shoes, bowled 3 games, and bought 1 order of nachos. She used a coupon for $\frac{1}{2}$ off the price of her bowling games. What was Gina's total cost before tax was added?

A $5.75

B $6.00

C $8.25

D $12.00

10.

124070607_2

The population of a city is expected to increase by 7.5% next year. If p represents the current population, which expression represents the expected population next year?

A $1.75p$

B $1.075p$

C $p + 0.075$

D $1 + 0.075$

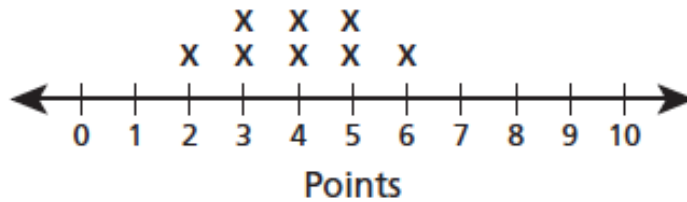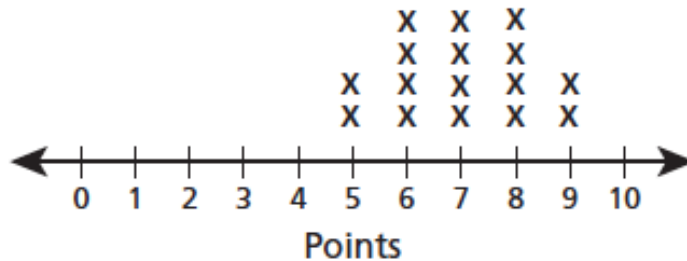| 11.	134070034_4 Laticia randomly selected 25% of the seventh-grade students in her school and asked them their favorite season. Of the students surveyed, 51 chose summer as their favorite season. Based on the data, what is the most reasonable prediction of the number of seventh-grade students in her school who would choose summer as their favorite season?
12.	134070037_3 Ms. Graves gave her class 12 minutes to read. Carrie read $5\frac{1}{2}$ pages in that time. At what rate, in pages per hour, did Carrie read?

13.

134070087_2

Ms. Andrews made the line plots below to compare the quiz scores for her first-period math class and her second-period math class. She gave the same quiz to each class.

QUIZ SCORES

First-Period Class

```
        X  X  X
     X  X  X  X  X
  ←--+--+--+--+--+--+--+--+--+--+--+--→
     0  1  2  3  4  5  6  7  8  9  10
```
Points

Second-Period Class

```
              X  X  X
              X  X  X
           X  X  X  X  X
           X  X  X  X  X
  ←--+--+--+--+--+--+--+--+--+--+--+--→
     0  1  2  3  4  5  6  7  8  9  10
```
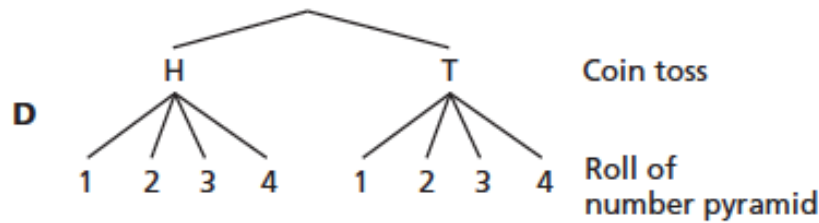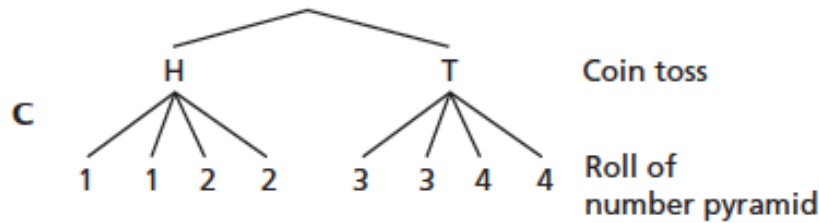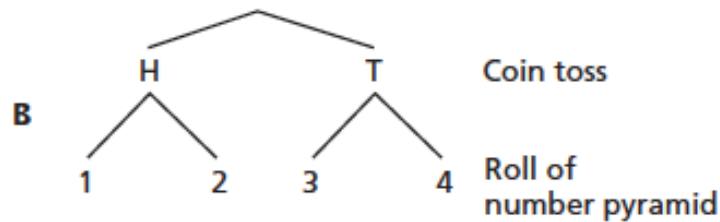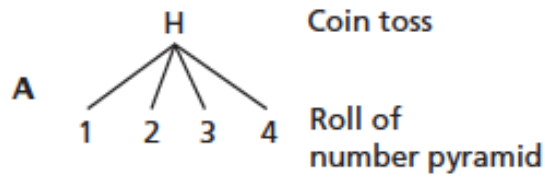Points

What conclusion can Ms. Andrews make about the performance of her first- and second-period classes?

A   The first-period class had a higher median score than the second-period class.

B   The second-period class scores had a higher mean than the first-period class scores.

C   The first-period class scores had a greater range than the second-period class scores.

D   The second-period class scores had a greater mean absolute deviation than the first-period class scores.

14.

Which tree diagram shows all of the possible outcomes for tossing a coin and rolling a fair number pyramid that has four sides labeled 1 through 4?

A

H   Coin toss

1   2   3   4   Roll of number pyramid

B

H   T   Coin toss

1   2   3   4   Roll of number pyramid

C

H   T   Coin toss

1   1   2   2   3   3   4   4   Roll of number pyramid

D

H   T   Coin toss

1   2   3   4   1   2   3   4   Roll of number pyramid

15.

An owner of a small store knows that in the last week 54 customers paid with cash, 42 paid with a debit card, and 153 paid with a credit card. Based on the number of customers from last week, which fraction is closest to the probability that the next customer will pay with cash?

16.	134070074_3 Scientists determined that Antarctica's average winter temperature was $-34.44°C$. The difference between this temperature and Antarctica's highest recorded temperature was 49.44 degrees. What was Antarctica's highest recorded temperature?
17.	134070083_1 The expression below was simplified using two properties of operations. $$5(11z + 29 + 6z)$$ Step 1 $5(11z + 6z + 29)$ Step 2 $5(17z + 29)$ Step 3 $85z + 145$ Which properties were applied in Steps 1 and 3, respectively? **A** commutative property, then distributive property **B** commutative property, then identity property **C** associative property, then distributive property **D** associative property, then commutative property
18.	134070406_1 For her cell phone plan, Heather pays $30 per month plus $0.05 per text. She wants to keep her bill under $60 per month. Which inequality represents the number of texts, t, Heather can send each month while staying within her budget?

19.	134070001_2 Solve for *x*. $$0.5x + 78.2 = 287$$
20.	124070036_2 Katie bought 4 sweaters that each cost the same amount and 1 skirt that cost $20. The items she bought cost a total of $160 before tax was added. What was the cost of each sweater?

21. 134070041_3

Jocelyn was shopping at a farmers' market. She observed the prices of cucumbers at several stands. Which sign shows a proportional relationship in the pricing of the cucumbers?

A

Joe's Stand

5 cucumbers for $2.50
10 cucumbers for $4.00
15 cucumbers for $5.50
20 cucumbers for $7.00

C

Betty's Stand

5 cucumbers for $2.00
10 cucumbers for $4.00
15 cucumbers for $6.00
20 cucumbers for $8.00

B

Steve's Stand

5 cucumbers for $2.50
10 cucumbers for $4.50
15 cucumbers for $6.50
20 cucumbers for $8.50

D

Lula's Stand

5 cucumbers for $1.50
10 cucumbers for $3.00
15 cucumbers for $6.00
20 cucumbers for $12.00

22. 134070015_4

Doug earns $10.50 per hour working at a restaurant. On Friday he spent $1\frac{3}{4}$ hours cleaning, $2\frac{1}{3}$ hours doing paperwork, and $1\frac{5}{12}$ hours serving customers. What were Doug's earnings?