



Name _____

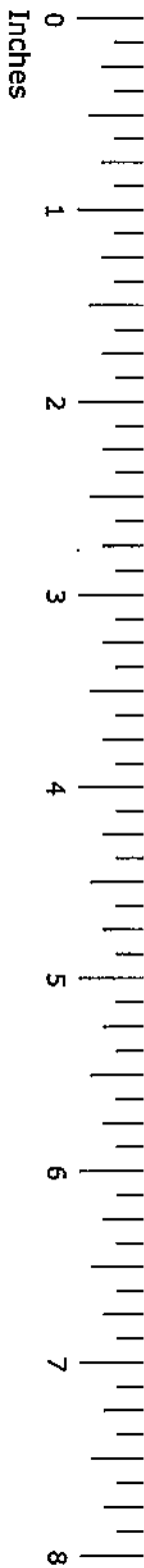
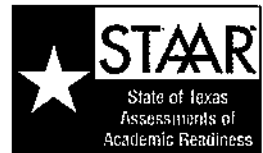
Date _____

MATH

Common Assessment #1

Fifth Grade

STAAR GRADE 5 MATHEMATICS REFERENCE MATERIALS



PERIMETER

Square

$$P = 4s$$

Rectangle

$$P = 2l + 2w$$

AREA

Square

$$A = s \times s$$

Rectangle

$$A = l \times w$$

or

$$A = bh$$

VOLUME

Cube

$$V = s \times s \times s$$

Rectangular prism

$$V = l \times w \times h$$

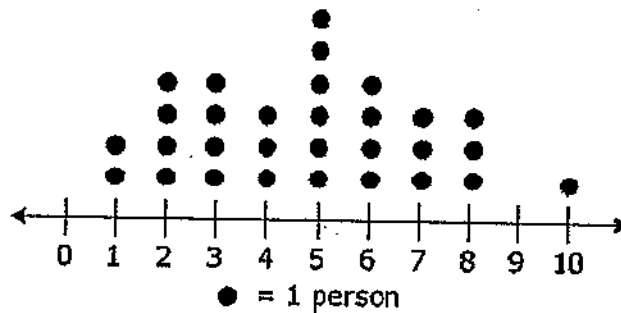
or

$$V = Bh$$

Read each question carefully. Show your work using problem solving strategies. After working the problems, bubble in your answers for questions #22-24 on the back of your bubble sheet using Grid B.

1. The dot plot below shows the number of dog training classes 30 different people attended.

Number of Dog Training Classes Each Person Attended



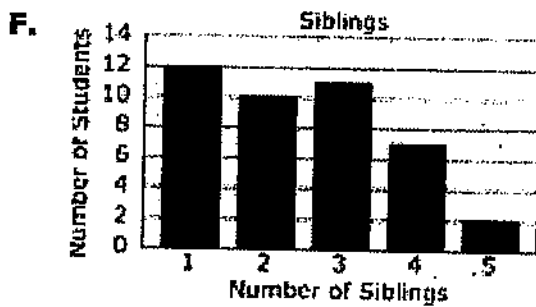
According to the data, how many training days is the most popular amount of dog training classes attended?

- A. 4 classes
- B. 5 classes
- C. 6 classes
- D. 8 classes

4. Peter conducted a survey at his lunch table to find the number of siblings of each student. The results are in the table below.

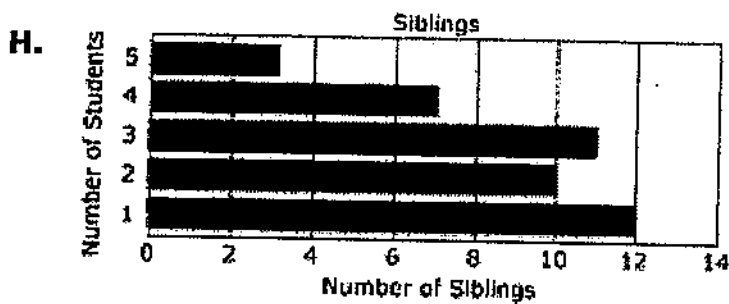
Number of Siblings for Each	Number of Students
5	2
4	7
3	11
2	10
1	12

Which of the following represents the data in the table?



G.

Number of Siblings	Tally	Frequency
1		5
2		10
3		11
4		7
5		2



J.

Number of Siblings	Tally	Frequency
1		12
2		10
3		11
4		6
5		2

7. Brennan bought 4 packages of Pokemon cards. Each package contained 24 cards. He also bought 5 packages of baseball cards with 20 cards in each package. He then evaluated $(4 \times 24) + (5 \times 20)$ and said he had 2020 total cards. Is this a correct answer?
- A. Yes, because $4 \times 24 = 96$; $96 + 5 = 101$ and $101 \times 20 = 2020$
 - B. No, the answer should be 186 because $4 \times 24 = 86$; $5 \times 20 = 100$ and $100 + 86 = 186$
 - C. No, the answer should be 196 because $4 \times 24 = 96$; $5 \times 20 = 100$ and $100 + 96 = 196$
 - D. No, the answer should be 64 because $4 \times 5 = 20$; $24 + 20 = 44$ and $20 + 44 = 64$

8. After spending \$70 from her bank account, Keesha had a total of \$126 left. Which number sentence could be used to find, a , the amount of money Keesha had in her account before she spent \$70?

- F. $126 - 70 = a$
- G. $126 + a = 70$
- H. $70 - a = 126$
- J. $a - 70 = 126$

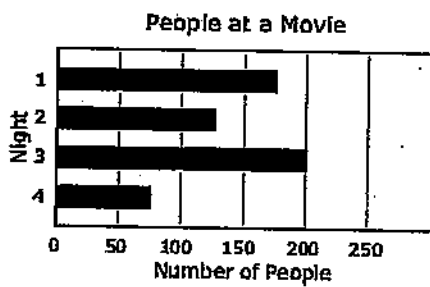
11. The table below shows the number of people who went to a movie each night on four nights.

People at a Movie

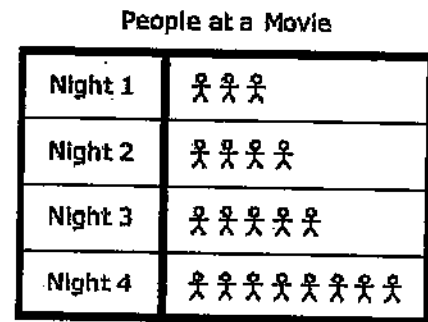
Night	1	2	3	4
Number of People	75	200	125	175

Which graph represents the data in the table?

A.

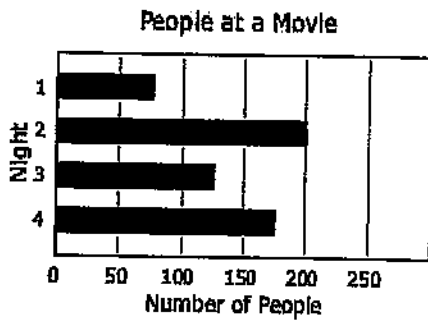


C.

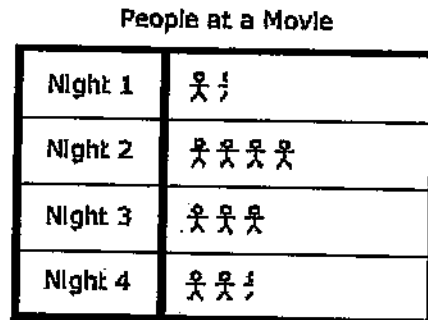


Each ☺ represents 25 people.

B.



D.



Each ☺ represents 50 people.

14. Charles had \$145 when he went to the Mall on tax free weekend. He bought a pair of boots for \$65 and a new shirt for \$30. Which equation shows how much money he had left?

F. $(145 + 65) + 30$

G. $(145 - 65) + 30$

H. $145 + (65 - 30)$

J. $145 - (65 + 30)$

15. Addy had 23 friendship bracelets. She gave some to her friends and then bought 6 more. What algebraic expression represents this problem? Mark your answer.

A. $23 + b + 6 =$

B. $b + 23 - 6 =$

C. $23 - b + 6 =$

D. $23 - b - 6 =$

18. An expression is shown below.

$$[(16 - 2 \cdot 4) \div 2] \div (51 - 27)$$

Which of the following represents this expression after a possible first step in the simplifying process?

- F.** $[(14 \cdot 4) \div 2] \div (51 - 27)$
- G.** $(16 - 2 \cdot 2) \div (51 - 27)$
- H.** $[(16 - 8) \div 2] \div (51 - 27)$
- J.** $(8 - 2 \cdot 4) \div (51 - 27)$

19. The baseball stands have 432 seats. There are 12 rows, and each row has an equal number of seats. How many seats are in each row? Mark your answer.

- A.** 108
- B.** 32
- C.** 36
- D.** 420

22. Peyton drew 42 flowers in her sketch book. She drew 8 of the flowers as roses and 6 of them as irises. The rest of the flowers she drew as daises. How many flowers did Peyton draw as daises?

			.		
0	0	0		0	0
1	1	1		1	1
2	2	2		2	2
3	3	3		3	3
4	4	4		4	4
5	5	5		5	5
6	6	6		6	6
7	7	7		7	7
8	8	8		8	8
9	9	9		9	9

Practice recording and bubbling your answer, then record and bubble your answer in Grid B #2 on the back side of your answer document. Be sure to use the correct place value.

23. Simplify the expression:

$$4 + 4 \times 7$$

			.		
0	0	0		0	0
1	1	1		1	1
2	2	2		2	2
3	3	3		3	3
4	4	4		4	4
5	5	5		5	5
6	6	6		6	6
7	7	7		7	7
8	8	8		8	8
9	9	9		9	9

Practice recording and bubbling your answer, then record and bubble your answer in Grid B #3 on the back side of your answer document. Be sure to use the correct place value.