

# STAAR 5th Grade Math Sample Questions

Name: \_\_\_\_\_

1)

Name	Number of Games Played	Number of Times Over 20 Points Scored
Hakim	12	3
MJ	15	5
Andre	18	9

Based on the information shown, what is the probability that Hakim will **NOT** score over 20 points in the next basketball game? Mark your answer.

- A  $\frac{3}{4}$       B  $\frac{2}{3}$       C  $\frac{3}{12}$       D  $\frac{4}{3}$

2) Joshua is making a sandwich for lunch. He can either make a ham or turkey sandwich. He can choose mustard, cheese, mayonnaise, or ketchup. How many different possible combinations of sandwiches are there? Mark your answer.

- A 10      B 6      C 12      D 8

3) Jerry has been working to perfect his laser printer's technology. The chart below shows how many pages per minute his printer can print at each interval of testing.

Test	Pages Printed (per minute)
1	32
2	40
3	48
4	56

If the pattern in the chart continues, how many pages per minute will his printer be capable of at test 8? Mark your answer.

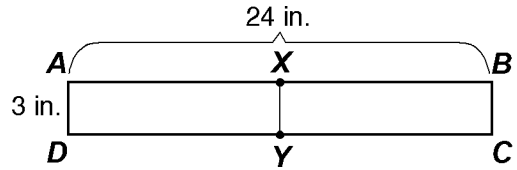
- A 64      B 72      C 88      D 80

4) Which number will complete the chart below? Mark your answer.

Problem	Product
$2 \times 2$	4
$22 \times 22$	484
$222 \times 222$	49,284
$2,222 \times 2,222$	?

- A 4,937,284      C 4,793,284  
 B 2,222,222      D 4,397,284

5) The figure below has a line of symmetry shown.



What is the length of line AX? Mark your answer.

- A 6 inches      C 10 inches  
 B 7 inches      D 12 inches

6) On May 8, 1846, troops of the United States and Mexico clashed on the prairie of Palo Alto in the first battle of a two-year war. The Texas Palo Alto Battlefield National Historic Site preserves the three thousand, four hundred one acres where this clash between nations took place.

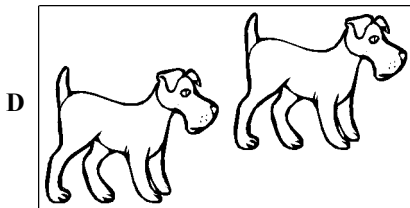
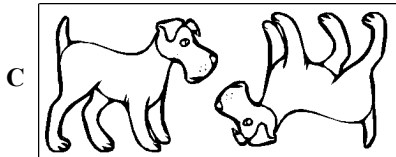
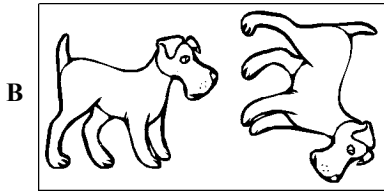
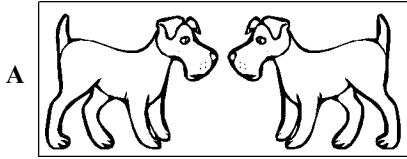
Record in the boxes below the number of acres that the site covers. Then fill in the bubbles. Be sure to use the correct place value.

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

7) Mrs. Dunbar's class wants to raise money to buy 1-dozen tadpoles for a science project on metamorphosis. The tadpoles cost \$2.00 each. They must also pay \$5.00 for shipping and handling. Mrs. Dunbar's class earns \$1.99 for each roll of wrapping paper they sell. If they sell 20 rolls of wrapping paper, will they raise enough money to pay for the science materials? Mark your answer.

- A no, because  $\$29 - \$40 < 0$   
 B no, because  $\$40 - \$84 < 0$   
 C yes, because  $\$40 - \$29 = \$11$   
 D yes, because  $\$84 - \$40 = \$44$

- 8) Which of these figures below show a translation? Mark your answer.



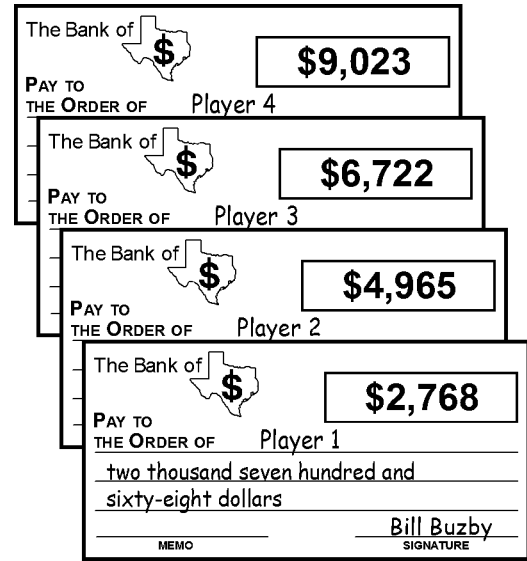
- 9) Rhonda is covering her new photo albums with a shiny pink fabric. She needs 38 inches of fabric for each of her 6 albums. Which is the least amount of fabric that she needs to buy at the store? Mark your answer.

- A 18 ft 5 in.                      C 19 ft 5 in.  
 B 20 ft                                D 19 ft

- 10) Jon is a plumber who has a contract to install bathtubs in every bathroom in a new hotel. Jon installed 17 bathtubs in May and 13 bathtubs in June. He charges \$450 for each bathtub installed and a one-time fee of \$500 for the tools he uses. Which number sentence calculates the total dollar amount that Jon charged for installation and fees for May and June? Mark your answer.

- A  $[(13 + 17) \times \$450] + \$500 = \square$   
 B  $[(13 + 17) + \$450] + \$500 = \square$   
 C  $[(13 + 17) \div \$450] + \$500 = \square$   
 D  $[(13 - 17) \div \$450] + \$500 = \square$

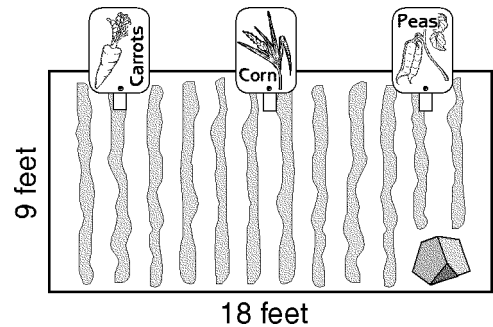
- 11) The Cowboys handed out paychecks to the team on Friday and several of the players were comparing how much they each were paid.



What was the total dollar amount of the paychecks? Mark your answer.

- A \$24,522                              C \$14,455  
 B \$23,478                              D \$21,675

- 12) Heather is putting rocks down in her vegetable garden.



What is the area of the garden shown? Mark your answer.

- A 126 feet squared                      C 162 feet squared  
 B 54 feet squared                        D 27 feet squared

STAAR 5th Grade Math, Ch 5 #75 Stds: (TEKS) (5.12)(B)R

1) A

STAAR 5th Grade Math, Ch 5 #15 Stds: (TEKS) (5.12)(C)S

2) D

STAAR 5th Grade Math, Ch 2 #57 Stds: (TEKS) (5.5)(A)R, (5.14)(C)PS

3) C

STAAR 5th Grade Math, Ch 6 #65 Stds: (TEKS) (5.16)(A)PS

4) A

STAAR 5th Grade Math, Ch 3 #79 Stds: (TEKS) (5.7)(A)S

5) D

STAAR 5th Grade Math, Ch 1 #61 Stds: (TEKS) (5.1)(A)S

6) 3,401

STAAR 5th Grade Math, Ch 6 #23 Stds: (TEKS) (5.16)(B)PS, (5.14)(B)PS

7) C

STAAR 5th Grade Math, Ch 3 #124 Stds: (TEKS) (5.8)(A)R, (5.8)(B)S

8) D

STAAR 5th Grade Math, Ch 4 #128 Stds: (TEKS) (5.10)(A)S, (5.10)(B)S, (5.10)(C)R, (5.14)(D)PS

9) D

STAAR 5th Grade Math, Ch 2 #124 Stds: (TEKS) (5.6)(A)S, (5.14)(C)PS

10) A

STAAR 5th Grade Math, Ch 1 #207 Stds: (TEKS) (5.3)(A)R

11) B

STAAR 5th Grade Math, Ch 4 #205 Stds: (TEKS) (5.10)(B)S, (5.10)(C)R

12) C