C. I. Quizzes
Fifth Grade
Math

5th Grade Math
Continuous Improvement

Please do not write on this quiz!
Write your answers on a separate page.

5th Grade Math
Continuous Improvement

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Test 1

1. Continue the pattern and explain the rule. (I.A.)

2, 3, 5, 8, 12, 17, 23, _____

2. Illustrate and explain the meaning of 5.25. (II.A.)

3. Sara found a pair of shoes on sale at the mall for 50% off. If she paid $12.00 for the shoes, what was the original price? (II.D.)

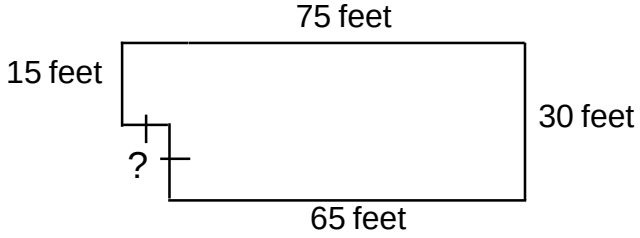
4. Explain the difference between a factor and a multiple. (II.F.)

5. Divide and explain the process you use to place the decimal in the quotient. (III.A.)

$5.2\overline{)57.72}$

6. Draw a set of similar rectangles. (IV.A.)

7. Find the area of the house below. (IV.B.)



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Test 1, continued

8. If the volume of figure A is 432 in.^{2}, estimate the volume of figure B. (V.D.)

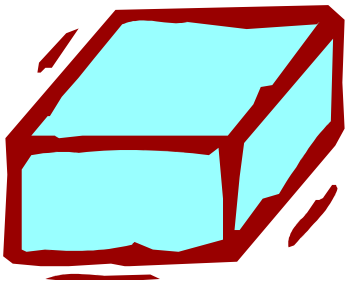


Figure A

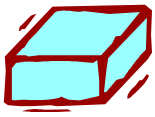
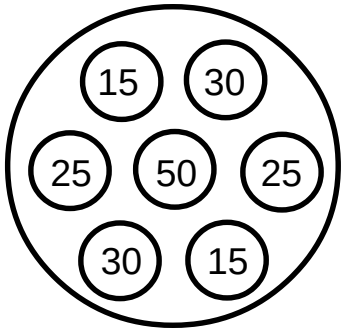
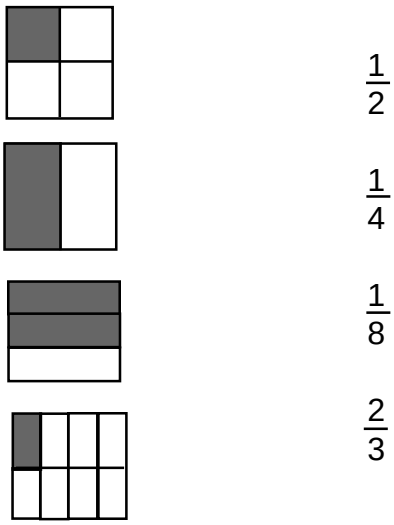


Figure B.

9. If the numbered circles on the dart board are the same size, what is the probability of hitting a 30? Express the probability in a fraction and in one other way. (VI.E., F.)



10. Match the fraction to the picture. (II.A.)



$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

$\frac{2}{3}$

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Test 2

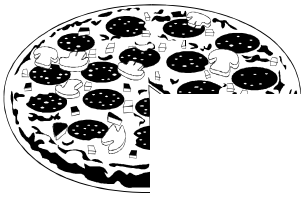
1. Continue the pattern and explain the rule. (I.A.)

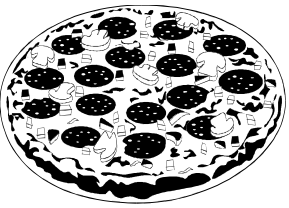
   2, 3, 5, 8, 12, 17, 23, _____

2. Write each decimal as a fraction. (II.B.)

   .26 1.52 .465

3. Cindy, Juan, and Hannah were extremely hungry. They each ordered their own large pizza, but couldn't finish them. Look at the pizzas below and write a fraction and a percent for the amount of pizza that is left. (II.D.)





Cindy's pizza	Juan's pizza	Hannah's pizza
fraction _____	fraction _____	fraction _____
percent _____	percent _____	percent _____

4. Write the factors for each number. (II.F.)

   36

   48

   63

5. Students at Big Lake School had a reading contest. They read 985 books in one month and earned $.0.50 per book. How much money did they earn? (III.A.)

6. Draw a set of congruent polygons. (IV.A.)

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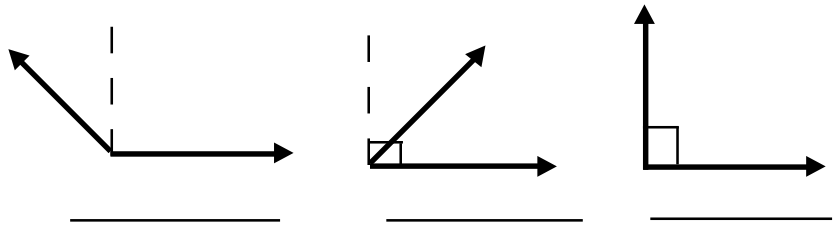
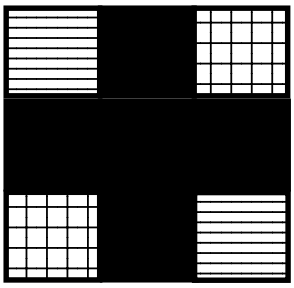
Test 2, continued

7. Identify the angles by name. (IV.C.)



8. Find the volume of the cube. (V.D.)

9. What is the probability of hitting a ▤ with a bean bag? Express the probability in a fraction and compare it to the probability of hitting a ■ with a bean bag. (VI.E.,F.)



10. Illustrate and explain the meaning of $\frac{1}{4}$. (II.A.)

5th Grade Math
Continuous Improvement

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Test 3

1. Complete the T-chart for the rule. (I.A.)

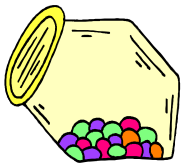
Rule: 2n + 5

In	Out
1	7
2	____
3	____
4	____
5	____

2. Write each fraction as a decimal. (II.B.)

$\frac{9}{10}$ $\frac{54}{100}$ $\frac{315}{1000}$

3. Ben ate 25% of the jelly beans in the candy jar. If there were 200 jelly beans in the jar originally, how many jelly beans did Ben eat? (II.D)



4. Write the first seven multiples of each number. (II.F.)

7

9

12

5. Estimate the sum and explain the process you used. (III.B.)

5
6
2
+1
14

6. Explain the difference between a two- and three- dimensional figure. (IV.A.)

Please do not write on this quiz!
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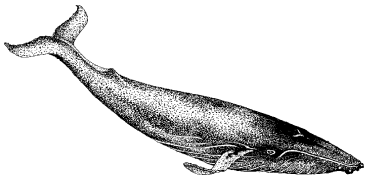
Test 3, continued

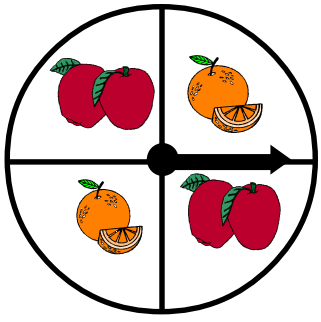
7. Draw an acute angle. (IV.C.)

8. Organize the data below in a graph. Tell why you selected the graph you designed. (VI.A.)



Whale	Length (in feet)
Blue	100
Gray	28
Minke	30
Fin	80

9. What is the probability of the spinner landing on apples? Express the probability in a fraction and in one other way. (VI.E.,F.)



10. Find the decimal equivalent for the fraction. (II.A.)

$\frac{3}{5}$

5th Grade Math
Continuous Improvement

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Test 4

1. Complete the T-chart for the rule. (I.A.)

Rule: 3n - 2

In	Out
1	1
2	___
3	___
4	___
5	___

2. Compare the decimals using >, <, or =. (II.B.)

36.425 ☐ 36.436

3. Use the commutative property to fill in the blanks. (II.E.)

35 + 6 = _____ + 35 (6 x 9) x 2 = (9 x _____) x 2

4. Define and give an example of a prime number. (II.F.)

5. Solve the problem and explain how you placed the decimal in the sum. (III.B.)

543.7 + 43.25 =

6. This three-dimensional figure has a perfect round shape, and every point on its face is an equal distance from the center of the figure. Name and draw the shape. (IV.A.)

7. Draw an obtuse angle. (IV.C.)

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Test 4, continued

8. Organize the data below in a graph. Tell why you selected the graph you designed. (VI.A.)

Journal Entries			
Student	May	June	July
Bev	28	30	18
Maria	26	28	20
David	29	19	30
Marika	17	22	29

9. What is the probability of a flipped coin landing on heads on the first throw? (VI.E.F.)

10. Use a calculator to find the decimal equivalent for each fraction. (II.A.)

$\frac{1}{6}$ $\frac{2}{8}$ $\frac{1}{4}$

5th Grade Math
Continuous Improvement

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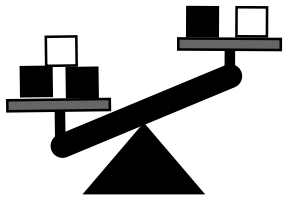
Test 5

1. What must be done to balance the scale. (I.B.)



2. Illustrate $\frac{1}{4}$ and $\frac{1}{3}$ Which shaded area is smaller? (II.B.)

3. Use the associative property to fill in the blank. (II.E.)

   84 + (12 + 7) = (_____ + 12) + 7

   5 x (3 x _____) = (5 x 3) x 12

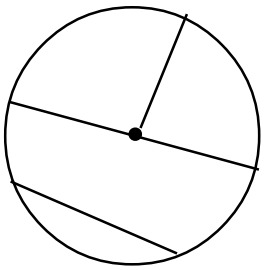
4. List the next five prime numbers. (II.F.)

   2, 3, 5, 7, 9, 11, _____, _____, _____, _____, _____

5. Estimate the sum. (III.B.)

   86.7 + .03 + 7.352

6. Label each part of the circle. (IV.A.)



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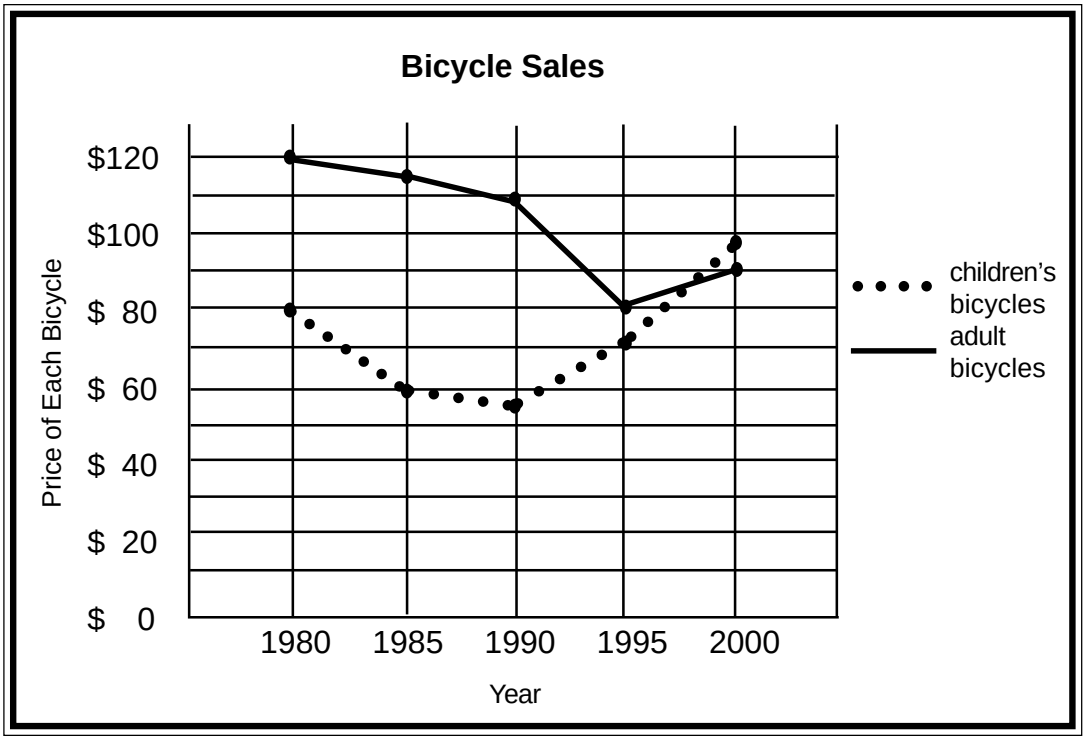
Test 5, continued

7. Draw a right angle. (IV.C.)

8. Write three conclusions you can make about bicycle sales from 1980 to 2000. (VI.B.)



9. Continue the pattern and explain the rule. (I.A.)

2, 3, 5, 8, 12, 17, 23, _____

10. Illustrate and explain the meaning of 5.25. (II.A.)

5th Grade Math
Continuous Improvement

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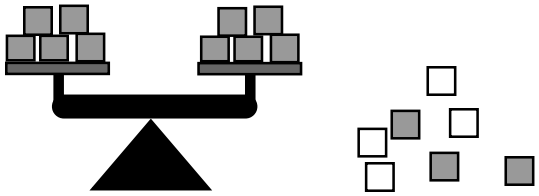
Test 6

1. Show and explain one way to add weight to the scale, keeping the scale balanced. (I.B.)



2. Put the decimals in order from least to greatest. (II.B.)

.25 .025 1.25 .254

3. Explain the commutative property using examples in addition and multiplication. (II.E.)

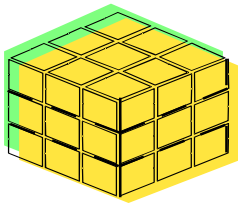
4. Explain and give an example of a composite number. (II.F.)

5. Estimate the difference. (III.B.)

72.4 - 6.325

6. Draw a rectangular prism. How does it compare to a rectangle? (IV.A.)

7. Find the volume of the figure below. (V.A.)



Volume = _____

Please do not write on this quiz!
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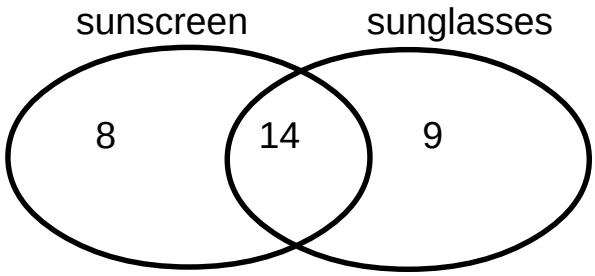
Test 6, continued

8. A group of friends took a trip to the lake. Use the Venn diagram to answer the questions. How many students wore sunglasses? How many wore sunscreen? (VI.B.)



9. Continue the pattern and explain the rule. (I.A.)

48, 24, 12, 6, _____

10. Write each decimal as a fraction. (II.B.)

.26 1.52 .465

5th Grade Math
Continuous Improvement

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Test 7

1. Solve the equation. (I.B.)

   $r + 17 = 22, \quad r = ?$

2. Compare .25 and $\frac{1}{4}$. (II.B.)

3. Explain the associative property using examples in addition and multiplication. (II.E.)

4. Circle the composite numbers in the list below. (II.F.)

   42 17 235 2 29 4 10 23 15

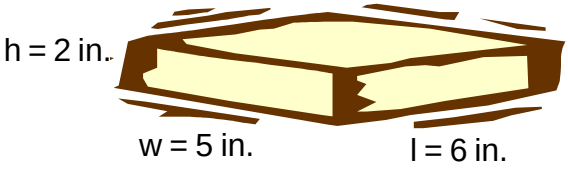
5. Solve the problem. (III.B.)

   306.72 - 70.9 =

6. Make a list of items in the room that are classified as cylinders. (IV.A.)

7. Find the volume of the figure below. (V.A.)

   Volume = _____ $in.^3$



8. Explain how you would design an investigation to answer this question: What is the most common favorite food in this school? (VI.C.)

Please do not write on this quiz!
Write your answers on a separate page.

Test 7, continued

9. Complete the T-chart for the rule. (I.A.)

Rule: $2n + 5$

In	Out
1	7
2	___
3	___
4	___
5	___

10. Write each fraction as a decimal. (II.B.)

$\frac{9}{10}$ $\frac{54}{100}$ $\frac{315}{1000}$

5th Grade Math
Continuous Improvement

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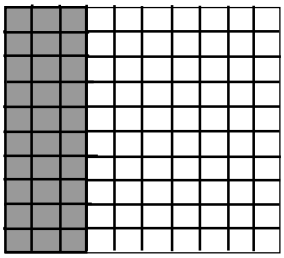
Test 8

1. Solve the equation. (I.B.)

   n - 13 = 42, n = ?

2. Write the decimal, percent, and fraction for the shaded area below. (II.C.)



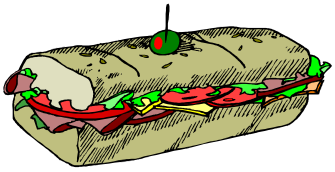
3. Use the distributive property to fill in the blanks. (II.E.)

   6 + (3 + 9) = (6 + 3) + (_____ + 9)

   4 x (5 x 7) = (4 x _____) + (4 x 7)

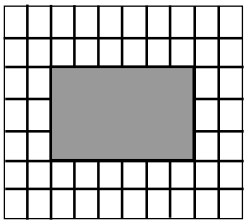
4. Draw a figure that represents a prime number. (II.F.)

5. Raymond has $10.00. Can he buy three value meals for himself and his friends? Explain how you know.(III.C.)



Veggie Value Meal
$ 2.99 each

6. Find the perimeter of the rectangle below. (IV.B.)



P = _____ units

Please do not write on this quiz!
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Test 8, continued

7. Match the appropriate measurement tool to the attribute it measures. (V.B.)

A. mass

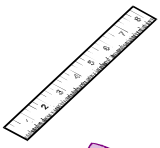
B. volume

C. time

D. length

E. angles

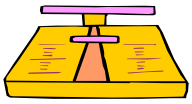
G. 

H. 

I. 

J. 

K. 

M. 

8. Explain how you would design an investigation to answer this question: How many hours of reading do students complete at home each week? (VI.C.)

9. Complete the T-chart for the rule. (I.A.)

Rule: 3n - 2

In	Out
1	1
2	____
3	____
4	____
5	____

10. Compare the decimals using >, <, or =. (II.B.)

36.425 ☐ 36.436

5th Grade Math
Continuous Improvement

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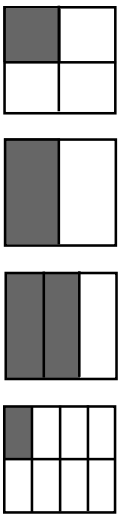
Test 9

1. Match the fraction to the picture. (II.A.)



$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

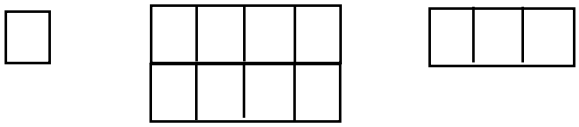
$\frac{2}{3}$

2. Convert the following decimals to percents. (II.C.)

.75 = _____ .25 = _____ .10 = _____ 2.0 = _____

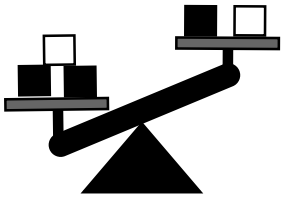
3. Explain the distributive property using examples in multiplication and addition. (II.E.)

4. Which figure represents a composite number? Explain. (II.F.)



5. Ice cream bars are $ 0.95 a box at the grocery store. Each box contains six bars. About how much money will you need to buy 8 boxes of ice cream bars? (III.C.)

6. What must be done to balance the scale? (I.B.)



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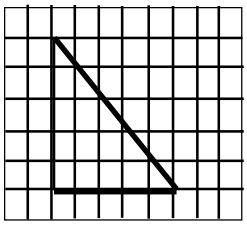
Test 9, continued

7. Find the area of the figure below. (IV.B.)



A = _____ units

8. Name the appropriate measurement tool for each item. (V.B.)

The length of your pencil _____

The weight of a person _____

The amount of time since your birthday _____

The time since lunch yesterday _____

The amount of milk for a recipe _____

The angle of a doorway _____

The perimeter of a garden _____

9. Below are the average temperatures for a week in July. Find the average temperature and the range. (VI.D.)

Average Temperatures

Day 1	89
Day 2	90
Day 3	92
Day 4	88
Day 5	90
Day 6	92
Day 7	95

10. Illustrate $\frac{1}{4}$ and $\frac{1}{3}$ Which shaded area is smaller? (II.B.)

5th Grade Math
Continuous Improvement

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Test 10

1. Illustrate and explain the meaning of $\frac{1}{4}$. (II.A.)

2. Convert the following percents to decimals. (II.C.)

   67% = _____ 22% = _____ 115% = _____

3. Explain the identity properties of multiplication and addition. (II.E.)

4. Multiply and explain the process you use to solve the problem. (III.A.)

$$\begin{array}{r} 342 \\ \times\ 58 \\ \hline \end{array}$$

5. Cynthia has $8.00 to spend on a school t-shirt at the student store. They are on sale for 50% off. If the original price was $12.00, does Cynthia have enough money to buy a t-shirt? (III.C.)

6. Explain the difference between area and perimeter and give an example of each. (IV.B.)

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Test 10, continued

7. Convert the measurements. (V.C.)

108 inches = _____ yards 32 ounces = _____ pounds

10 gallons = _____ quarts 6 cups = _____ pints

168 hours = _____ days 24 hours = _____ minutes

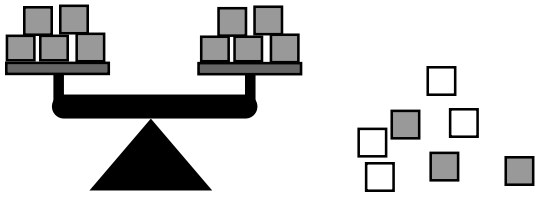
4 quarts = _____ pints 60 feet = _____ inches

2 miles = _____ feet 3 yards = _____ feet

20 meters = _____ cm 300 centimeters = _____ m

8. John's math quiz scores are 8, 7, 9, 10, 8, 9, and 10. Find his average score and the range. (VI.D.)

9. Show and explain one way to add weight to the scale, keeping the scale balanced. (I.B.)



10. Put the decimals in order from least to greatest. (II.B.)

.25 .025 1.25 .254

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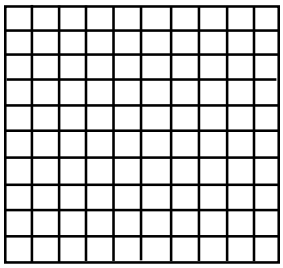
Test 11

1. Find the decimal equivalent for the fraction. (II.A.)

$$\frac{3}{5}$$

2. Use the grid to represent 25%. (II.C.)



3. Explain and give an example of *additive inverse*. (II.E.)

4. Multiply and explain the process of placing decimals in the product. (III.A.)

$$\begin{array}{r} 432.75 \\ \times \quad 3.6 \\ \hline \end{array}$$

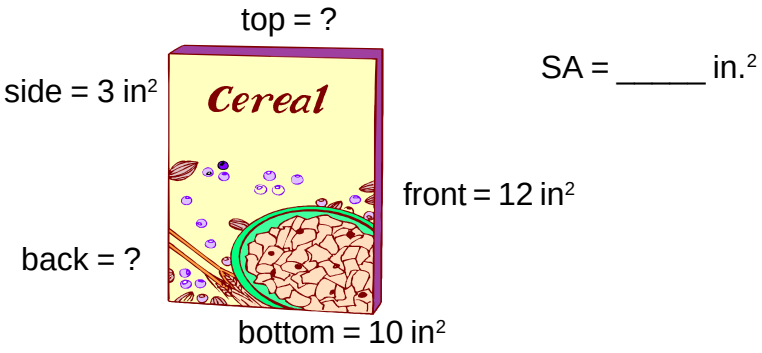
5. Three hundred people went to the same movie yesterday afternoon. One hundred fifty people bought popcorn. What percentage of people bought popcorn? (III.C.)

6. Draw a figure that has an area of 26 units. (IV.B.)

Please do not write on this quiz!
Write your answers on a separate page.

Test 11, continued

7. Find the surface area of the figure below. (V.D.)



8. Beth, Jerome, and Kia want to compare their average height this year to their average height last year. Their heights are 48", 52", and 56". Find their average height and compare it to last year's average height of 45". (VI.D.)

9. Solve the equation. (I.B.)

$r + 17 = 22, \quad r = ?$

10. Compare .25 and $\frac{1}{4}$. (II.B.)

5th Grade Math
Continuous Improvement

Please do not write on this quiz!
Write your answers on a separate page.

Test 12

1. Use a calculator to find the decimal equivalent for each fraction. (II.A.)

$\frac{1}{6}$ $\frac{2}{8}$ $\frac{1}{4}$

2. Emma used $\frac{1}{3}$ of the eggs she bought to make cookies. If she bought two dozen eggs, how many did she use to make cookies? (II.D.)

3. Circle the odd numbers and underline the even numbers below. (II.F.)

37	132
56	418
43	221
20	995

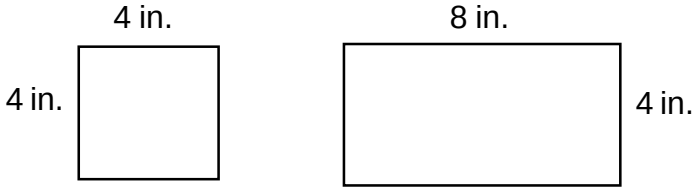
4. Divide. (III.A.)

$36\overline{)7200}$

5. Draw a triangle and a triangular prism and compare and contrast them using a venn diagram. (IV.A.)

6. Draw a figure that has an area of 15 units. (IV.B.)

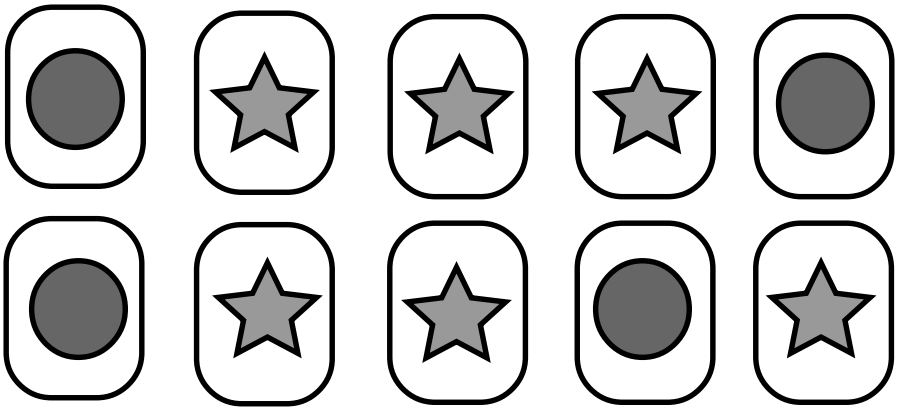
7. Compare the area of the two figures. (V.D.)



Please do not write on this quiz!
Write your answers on a separate page.

Test 12, continued

8. Name the fraction that tells the likelihood of drawing a star card without looking. (VI.E., F.)



9. Solve the equation. (I.B.)

$n - 13 = 42,\ n = ?$

10. Write the decimal, percent, and fraction for the shaded area below. (II.C.)