

*Strand Attack*TM

3rd Grade

Daily Practice of the Common Core Math Standards

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WriteMath Enterprises Inc.
Valrico, FL 33596

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Strand Attack[™]

Introduction

Strand Attack[™] is meant to provide daily practice covering the Common Core Math Standards. This book is divided into 30 weeks. Each week contains four days of practice questions and one day of assessment questions. Each day is comprised of two questions from the Number Sense Strand and one question from each of the other four strands (Measurement, Geometry, Algebra, and Data Analysis). The answer key immediately follows each week.

Since five different concepts will be presented on a weekly basis, it is very likely that the order of topics within these pages will not align with your district's order of instruction. When you reach a concept that is new to your students, take the extra time to teach it to them then. The students will get at least three more days of practice and an assessment before you move on to another concept within that strand. You will also create a reference point when you come to that concept again within your order of instruction.

In the classroom, each teacher will likely use this resource differently. Our original intention was to use this as bellwork (starter, warm-up) at the beginning of the math period, likely with a projection device.

However, there are several effective ways to use this material. The primary concept is to give students continual practice with the concepts they will see on your state's standardized assessment.

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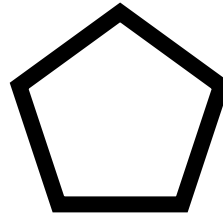
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Day 1

1. Which fraction is greater, $\frac{1}{2}$ or $\frac{1}{4}$?



2. Trevor has 8,761 ants in his ant farm. Steven has 987 ants in his ant farm. Is **8,761** less than (<), greater than (>) or equal to (=) **987**?
3. Is the polygon shown below a **pentagon**, **hexagon**, **heptagon**, or **octagon**?



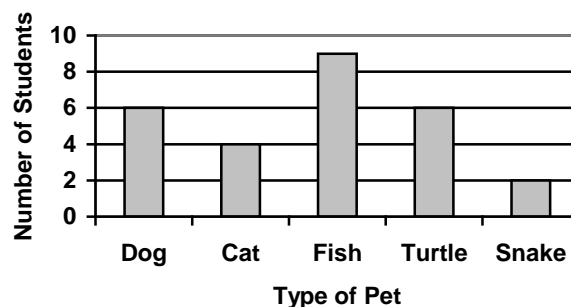
4. How many inches are in one foot?

5. Fill in the missing part.



6. Make a tally table from the bar graph shown below.

Favorite Pets

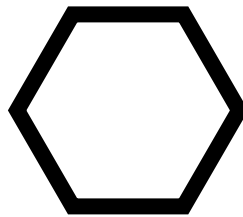


Day 2

1. Which fraction is greater, $\frac{1}{2}$ or $\frac{3}{4}$?

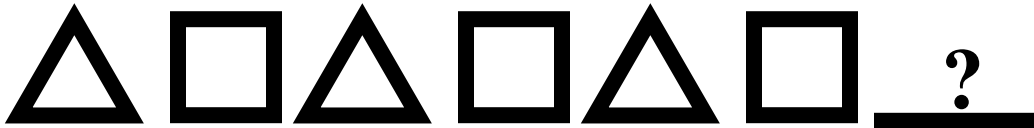


2. Vanessa counted 684 motorcycles at the Florida Bike Show this weekend. Rudy counted 654 motorcycles at the same show. Is **684** less than (<), greater than (>), or equal to (=) **654**?
3. Is the polygon shown below a **pentagon**, **hexagon**, **heptagon**, or **octagon**?



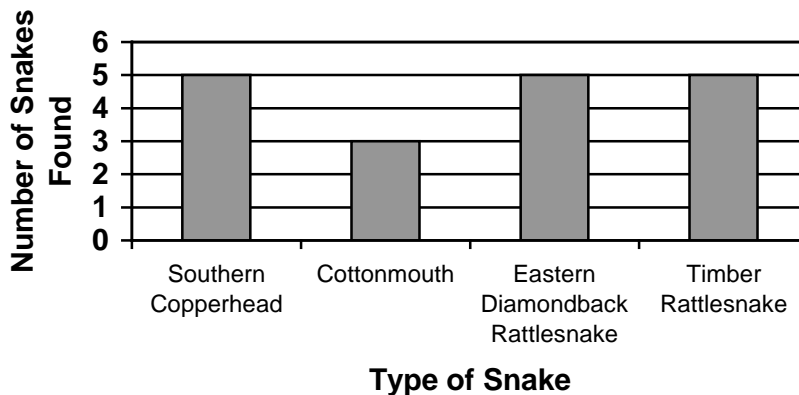
4. How many feet are in one yard?

5. Fill in the missing part.



6. Make a tally table from the bar graph shown below.

Florida Snake Sightings



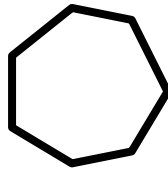
Day 3

1. Which fraction is greater, $\frac{1}{4}$ or $\frac{3}{4}$?



2. Sean cut out 654 paper polygons in math class today. Earl cut out 314 paper polygons in math class today. Is **654** less than (<), greater than (>), or equal to (=) **314**?

3. Is the polygon shown below a **pentagon**, **hexagon**, **heptagon**, or **octagon**?

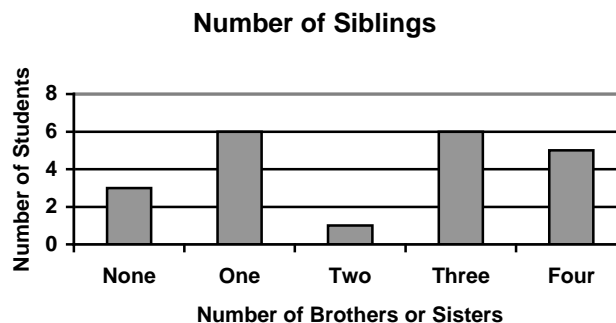


4. How many feet are in one mile?

5. Fill in the missing part.



6. Make a tally table from the bar graph shown below.

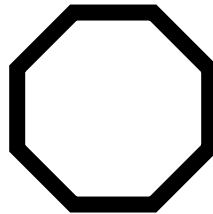


Day 4

1. Which fraction is greater, $\frac{1}{5}$ or $\frac{1}{2}$?



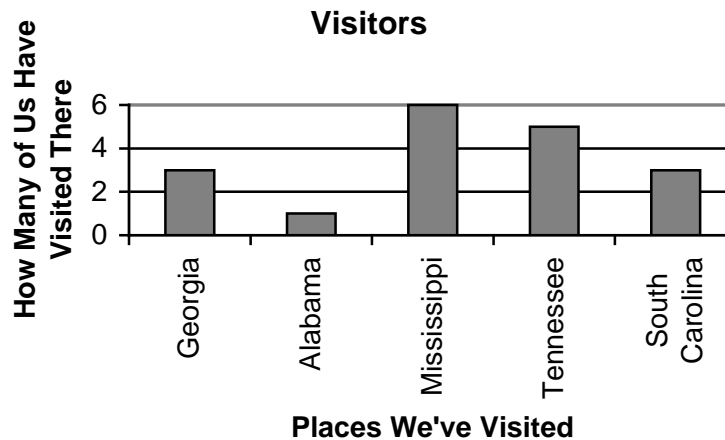
2. Kim practiced her cheerleading stunts 6,876 times last week. Robin practiced her cheerleading stunts 6,867 times last week. Is **6,876** less than (<), greater than (>), or equal to (=) **6,867**?
3. Is the polygon shown below a **pentagon**, **hexagon**, **heptagon**, or **octagon**?



4. How many yards are in one mile?
5. Fill in the missing part.



6. Make a tally table from the bar graph shown below.

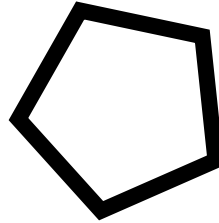


Day 5
Assessment

1. Which fraction is greater, $\frac{2}{5}$ or $\frac{1}{2}$?

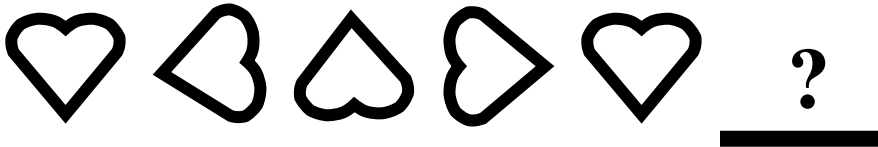


2. John counted 234 birds on his hiking trip. Jenn counted 898 birds on her hiking trip. Is **234** less than (<), greater than (>) or equal to (=) to **898**?
3. Is the polygon shown below a **pentagon**, **hexagon**, **heptagon**, or **octagon**?

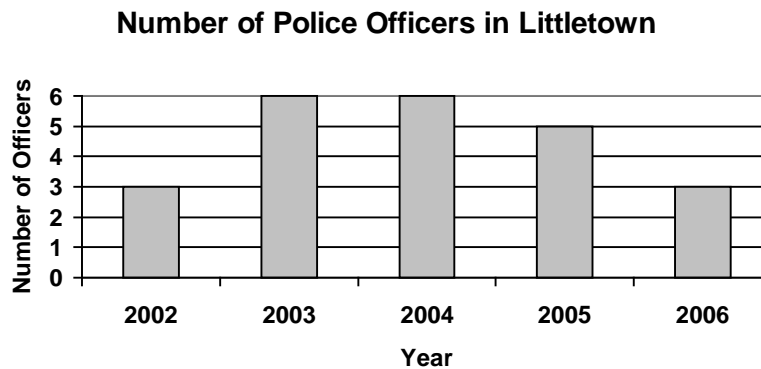


4. How many inches are in one foot?

5. Fill in the missing part.



6. Make a tally table from the bar graph shown below.



Answers

Day 1

1. $\frac{1}{2}$
2. $8,761 > 987$
3. Pentagon
4. 12 inches



6.

Favorite Pets	
Type of Pet	Tallies
Dog	III I
Cat	III
Fish	III III
Turtle	III I
Snake	II

Day 2

1. $\frac{3}{4}$
2. $684 > 654$
3. Hexagon
4. 3 feet



6.

Florida Snake Sightings	
Type of Snake	Tallies
Southern Copperhead	III
Cottonmouth	III
Eastern Diamondback Rattlesnake	III
Timber Rattlesnake	III

Day 3

1. $\frac{3}{4}$
2. $654 > 314$
3. Heptagon
4. 5,280 feet

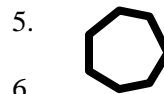


6.

Number of Siblings	
Number	Tallies
None	III
One	III I
Two	I
Three	III I
Four	III

Day 4

1. $\frac{1}{2}$
2. $6,876 > 6,867$
3. Octagon
4. 1,760 yards



6.

Visitors	
Places	Tallies
Georgia	III
Alabama	I
Mississippi	III I
Tennessee	III
South Carolina	III

Day 5

Assessment

1. $\frac{1}{2}$
2. $234 < 898$
3. Pentagon
4. 12 inches



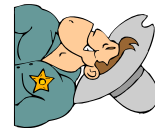
6.

Number of Police Officers	
Year	Tallies
2002	III
2003	III I
2004	III I
2005	III
2006	III

Day 1

1. The addition problem $2 + 2$ is the same as the multiplication problem $2 \times$ ____.
2. On Tuesday Jenny collected enough honey to fill four jars. On Wednesday she collected enough honey to fill five more jars. On Saturday Jenny gave six jars of honey to her grandmother. How many jars did Jenny have left on Sunday?

3. Is the image to the right a turn of the image on the left?



4. Would you measure the length of a crayon using centimeters or meters?



5. Fill in the missing addend.

$$224 = \underline{\quad} + 87$$

6. Find the range of the following numbers.

20, 91, 15, 15, 5, 9, 2, 10, 39

Day 2

1. The addition problem $2 + 2 + 2$ is the same as the multiplication problem $2 \times \underline{\quad}$.
2. On Wednesday Emily bought 2 bouncing balls. On Thursday she bought 3 bouncing balls. On Friday Emily gave 4 of her bouncing balls to her little sister Elizabeth. How many bouncing balls does Emily have left?
3. Is the image on the right a rotation (turn) of the image on the left?



4. Would you measure the distance from your house to your neighbor's house in inches or yards?



5. Fill in the missing addend.

$$118 = \underline{\quad} + 15$$

6. Find the median of the following numbers.

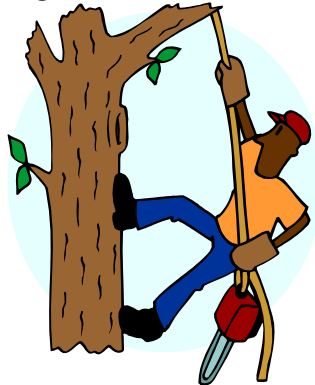
20, 91, 15, 15, 5, 9, 2, 10, 39

Day 3

1. The addition problem $2 + 2 + 2 + 2$ is the same as the multiplication problem $2 \times \underline{\quad}$.
2. On Sunday Howie picked up six stones. On Monday he picked up nine stones. After polishing all of the stones that Howie found he gave one of them to his mom. How many stones does Howie have left?
3. Is the image on the right a rotation (turn) of the image on the left?



4. Would you measure the height of a tree in centimeters or meters?



5. Fill in the missing addend.

$$932 = \underline{\quad} + 14$$

6. Find the mode of the following numbers.

20, 91, 15, 15, 5, 9, 2, 10, 39

Day 4

1. The addition problem $2 + 2 + 2 + 2 + 2$ is the same as the multiplication problem $2 \times \underline{\quad}$.
2. John went to the pet store today and bought three more turtles and added them to the four others that he had at home. He plans to give two of his new turtles to his little brother. How many turtles will John have left after his gives the two turtles to his brother?

3. Is the image at the right a rotation of the image at the left?



4. Would you measure the length of a pencil in inches or yards?



5. Fill in the missing addend.

$$1,007 = \underline{\quad} + 201$$

6. Find the range and median of the following numbers.

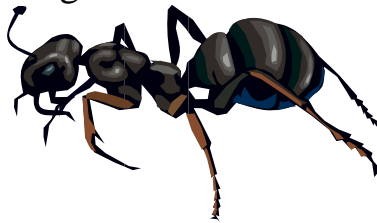
1, 0, 1, 3, 2, 0, 1, 1, 8, 1, 5, 1, 5

Day 5
Assessment

1. The addition problem $2 + 2 + 2 + 2 + 2 + 2$ is the same as the multiplication problem $2 \times \underline{\quad}$.
2. Scott built three model airplanes last week. This week he built three more model airplanes. Yesterday Scott's little sister broke two of his model airplanes. How many model airplanes does Scott have left?
3. Is the image at the right a rotation of the image at the left?



4. Would you measure the length of an ant in centimeters or meters?



5. Fill in the missing addend.

$$103 = \underline{\quad} + 20$$

6. Find the median and mode of the following number.

1, 0, 1, 3, 2, 0, 1, 1, 8, 1, 5, 1, 5

Answers**Day 1**

1. 2 x 2
2. 3 jars
3. Yes
4. Centimeters (cm)
5. 137
6. 2 through 92 or 89

Day 2

1. 2 x 3
2. 1 ball
3. No
4. Yards (yd)
5. 103
6. 5

Day 3

1. 2 x 4
2. 14 stones
3. Yes
4. Meters (m)
5. 918
6. 15

Day 4

1. 2 x 5
2. 5 turtles
3. Yes (360° rotation) or No (translation)
4. Inches (in.)
5. 806
6. Range is 0 through 8 or 8
Median is 1

Day 5*Assessment*

1. 2 x 6
2. 4 airplanes
3. Yes
4. Centimeters (cm)
5. 83
6. Median is 1
Mode is 1