NAME DATE TIME Lesson 8-14

Unit 8 Self Assessment

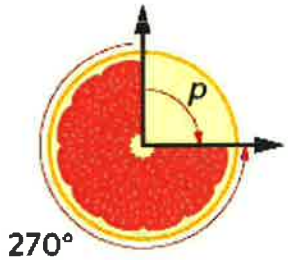
1. The school custodian, Mr. Granger, brought every pencil he found on the floor this week to the school lost-and-found. At the end of the week, there were 126 pencils in the lost-and-found. Mr. Granger said he found 3 pencils in 1 classroom and 5 pencils in each of 3 classrooms. He then found an equal number of pencils in each of the 9 remaining classrooms.

   How many pencils did he find in each of those 9 classrooms? _____ pencils

2. Find the missing angle measures. For each problem, write an equation with a letter for the unknown to show how you found your answer.

r = _____ °

Equation: _____

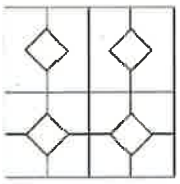
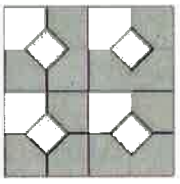
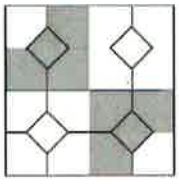
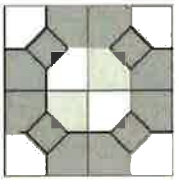


p = _____ °

Equation: _____

3. For each shape below, use a straightedge to draw lines of symmetry.

Bow-Tie Pattern

lines of symmetry: _____ _____ _____ _____

4 The winner of the 50-meter freestyle won the race with a time of 21.34 seconds. The second place finisher was 0.25 second slower than the winner, and the third place finisher was 0.29 second slower than the winner. What were the second and third place times?

a. Second place: _____ seconds

b. Third place: _____ seconds

5

Write five names in each box below. Use as many different kinds of numbers (such as whole numbers, fractions, decimals) and different operations (+, −, *, ÷) as you can. Draw a star next to the name you find most interesting.

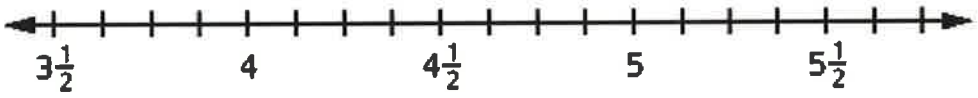
9,873

6

Plot the bracelet lengths (in inches) on the line plot below:

$5\frac{1}{8}$, $4\frac{3}{4}$, $5\frac{1}{2}$, $4\frac{1}{8}$, $4\frac{7}{8}$, 4, $5\frac{1}{8}$, $5\frac{1}{4}$, $4\frac{3}{4}$, 4, $4\frac{1}{2}$, $4\frac{3}{8}$, $4\frac{3}{4}$, $4\frac{1}{4}$, $5\frac{1}{8}$, $4\frac{1}{2}$, $4\frac{1}{8}$, $4\frac{1}{4}$, $5\frac{1}{8}$

Bracelet Lengths



Length (inches)

a. What is the difference between the longest and the shortest lengths? _____ in.

b. How many bracelets were sold that were less than 5 inches long? _____ bracelets

7

What is the combined weight of a set of identical twins weighing $5\frac{1}{8}$ pounds each and a set of identical triplets weighing $4\frac{2}{8}$ pounds each?

Number model with answer:

_____

Answer: _____ pounds

We have 6 plastic plates. Each weighs $\frac{3}{8}$ pound. How many ounces do they weigh all together?