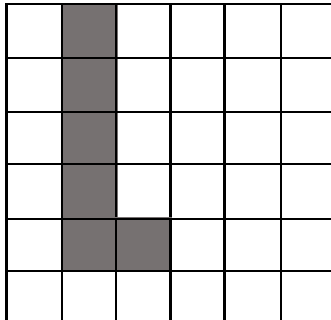


Homework 5/29
SOL Review

- 1) If each square on the grid is 1 square inch, what is the perimeter of the shaded area?



- a. 6 in
b. 15 in
c. 14 in
d. 19 in

- 2) If a represents an even number and b represents a positive integer, which of the following will always produce an even number?
- a. $a + b$
b. $a - b$
c. $a \times b$
d. $a \div b$
- 3) Gretchen checks the money in her wallet and realizes she has enough money to buy the shirt she has been saving for. She wants to know how much she will have left after she buys the shirt. She uses the following expression to help her.

$45 - p$ Which tells what the variable p represents?

- a. The amount Gretchen has in her wallet
b. The amount Gretchen spends on her shirt
c. The number of shirts Gretchen is going to buy
d. The amount Gretchen has left after she buys the shirt
- 4) Mario measures four different angles. One is right, the second is acute, the third is obtuse and the last one is straight. Which of the angles has the smallest measurement?
- a. Right b. Acute c. Obtuse d. Straight

- 5) Jenny's mom collects buttons and keeps them in jars in her sewing room. Jenny counted the buttons in her mom's jars and put them in a stem and leaf plot. How many jars have more than 20 buttons?

Stem	Leaf
1	1 1 6 9 2
2	3 7 2 8 5
3	1 2 4
4	0

a. 3 b. 8 c. 5 d. 9

- 6) Eric measured a cherry that was 3.2 centimeters long. How else could Eric have correctly reported his results?
a. 0.32 millimeters b. 32 millimeters c. 320 millimeters d. 320 meters
- 7) Which of the following figures could *not* a square?
a. Rhombus
b. Parallelogram
c. Trapezoid
d. Rectangle
- 8) Which sequence has the rule "Add 3 and double the result"?
a. 10, 23, 43, 83
b. 10, 23, 49, 101
c. 10, 26, 58, 122
d. 10, 13, 26, 29
- 9) Robert uses the distributive property to rewrite the multiplication problem 9×37 . He rewrites the problem as $(9 \times 30) + (9 \times a)$. What number does a represent?
a. 7
b. 30
c. 37
d. 333
- 10) Vinh is on a trip across Virginia with his parents. The whole trip is 250 miles. So far, Vinh has traveled d miles. Which expression shows how much farther he should go?
a. $d + 250$ b. $d - 250$ c. $d \times 250$ d. $250 - d$