

evaluated answer 2 "Value"

$$5(-2)(-2)(-2) = -40$$

Coefficient Infront. Multiplies to what it touches -2 is base it repeats.

Word Problems

Replace the Variable w a number

Whenever you have a question where a formula is Provided, you must substitute values into the formula, then use BEDMAS to solve for the unknown.

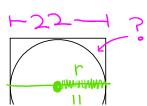
distance through outer edges.

1) What is the <u>Perimeter</u> of stop sign if one side length is 14cm?

octagon 8 equal sides P=8(s)=8(14)=8(14)=112cm

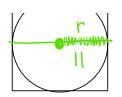
substitute 14 in for side

2) If you have a square room that's length is 22m, and you buy a round rug that must touch each side, what part of your floor is not covered?



$$A_{R00m} = S \times S \text{ or } S^2$$

 $A_R = 22^2 = 484 \text{ m}^3$
 $A_{11} = 314 \text{ m}^2$



Arug =
$$3.14r^2$$

Arug = $3.14(11)^2 = 379.94$

Auncovered = Aroom - Arug (A=104.06 m) 5 484 - 379.94



3. Bacteria questions are always solved Using this format:

coefficient base exponent # of times

you

START
With

replicates

(doubles = 2, triples = 3, etc)

a) You have 75 bacteria that triple each. hour. How many after 2 hours? 5.5 hrs?

$$75(3)^{2}$$
 $75(9) = (675)^{2}$

b) you have 120 bacteria that double every 30 minutes. How many after: 122 hours? Replicated 5 times

(Bacteria) (double) Rate

$$120(2)$$
 $120(32) = (3840)$

Page 112 # 11 +0 17