## Announcements 11/16

- · DSC Course Evaluations are now open
- · Spring 2022 hegistration Form
- · Speaker Series Live Stream & In-person (Starts at 9:00 mm)

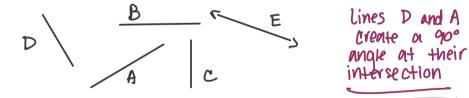
What number goes into the box to make the equation true?

$$45 - \square = 2 \times 5$$

$$\Rightarrow 45 - X = 2 \times 5$$
"Solve for X" — = X

- · Value of LHS must equal value of RHS
- Simplify the RHS 45-131 = 10 \*Algebra
  5"Do the math!"

Which line is perpendicular to line A?







- · Locate line A compare all lines to line A
- Perpendicular 2 lines that intersect and create a 90° angre. \* lines extend infinitely in both directions
- Disregard the lines that are obviously not perpendicular to line A
- · Visualize extending the lines to see which would create a 90° angle of line A (draw the lines)



The formula below is used in sports to find the winning average.

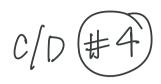
Winning averages are always rounded to the nearest thousandths. \* place value

The Hawks had 26 wins and 7 losses during the 2017-2018 season. What was their winning average?

$$\bigcirc$$
 0.269  $\Rightarrow$  games played: wins + losses  $26 + 7 = 33$ 

0.270

Round 0.78787... to the nearest thousand this - Need to use the 4th decimal place to round



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Brand	Price	Weight
Koko's	\$6.00	20 oz
Health Time	\$4.95	16 oz
Leo's	\$5.25	18.5 oz
Geko's	\$4.50	15 oz

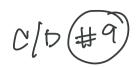
Use the table to answer the question.

Healthy and Happy grocery store sells 4 brands of vegan sandwiches. Which brand has the lowest unit price?

- O Koko's
- O Health Time
- O Geko's

[unit -> per 1 unit] unit price \* lowest

· Divide each brands price by their weight



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Holiday Sale Discounts		
	Sweaters	20% off retail price
	Jeans	10% off retail price
	Polo shirts	15% off retail price
	Jackets	25% off retail price

Use the table to answer the question.

Ramiro is shopping at a clothing store where there's a holiday sale. He wants to buy a sweater with a retail price of \$54.00 and a polo shirt with a retail price of \$27.00.

What is the total cost of the sweater and polo shirt after the discount?

- \$66.15
- \$36.00
- \$54.85
- \$60.75
- · Sweater \$54, 20% off
- · Shirt \$27 , 15% off
  - Convert  $\frac{1}{100}$  to decimals:  $\frac{20}{100} = 0.20$

· "20% of the retail price"

$$0.20 \times 54 = 10.8 \Rightarrow $10.80 \xrightarrow{\text{off}} $54$$

· "15% of the retail price"

$$0.15 \times 27 = 4.05 \Rightarrow $4.05 \text{ off of } $27$$

- \* \$22.95 for the shirt
- \* Add up the discounted prices: \$22.95+\$43.20 \$\$66.15

