

TUESDAY 3/20/18

HOMEWORK

7th GRADE

- 54 Mick paid \$2.94 in sales tax on an item that cost \$42.00 before tax. At that rate, how much would he pay in sales tax for an item that costs \$58.00 before tax?

Show your work.

Answer \$ _____

GO ON

- 55 At a store, customers are randomly selected to participate in a survey. On Friday, there were 500 customers at the store. Of those, 90 were selected to participate in the survey. On Saturday, the store manager expects 700 customers in the store. If the probability of being selected to participate in the survey on Saturday is the same as it was on Friday, how many customers will be selected to participate in the survey on Saturday?

Show your work.

Answer _____ customers on Saturday

GO ON

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7th GRADE

- 56 A school club needs 300 feet of rope for a project. They have the amounts of rope listed below.

- 2 pieces of rope that are each 16 yards in length
- 1 piece of rope that is 12.5 yards in length
- 1 piece of rope that is 123.25 feet in length

How much additional rope, in feet, does the school club need in order to have enough rope for their project?

Show your work.

Answer _____ additional feet of rope

- 57 The table below lists the masses and volumes of several pieces of the same type of metal. There is a proportional relationship between the mass and the volume of the pieces of metal.

PIECES OF METAL

Mass (grams)	Volume (cubic centimeters)
34.932	4.1
47.712	5.6
61.344	7.2
99.684	11.7

Determine the mass, in grams, of a piece of this metal that has a volume of 15.3 cubic centimeters. Round your answer to the nearest tenth of a gram.

Show your work.

Answer _____ grams

GO ON