

Name: _____ Period: _____

Week 19 Homework Packet – 7th Grade Math

ASSIGNMENT DUE WED/THU. JANUARY 4/5. 2017

Unit 2, Chapter 2 – Percents

Score
/ **4**

Week Score
/ **8**

Stamp

1) What is 25% as a fraction?

2) What is $\frac{3}{4}$ as a percentage?

3) What is 140% as a number?

4) What is 0.532 as a percentage?

SHOW ALL WORK! You will not receive a stamp if you don't show how you got your answer. You may use a calculator, but to show your work, show how you set up the calculation.

5) What number is 20% of 85?

6) You want to buy a backpack that is \$30. If sales tax is 8%, how much will you pay in sales tax?

7) A jacket that is \$60 is on sale for 15% off. How much is 15% of \$60?

8) A test has 20 questions and you need a score of 85%. How many questions do you need to get correct to get that score?

9) The Nielsen Ratings determine how many people watch a particular show and is used by television companies to determine what shows are popular. One show was watched by 9% of people watching TV at that time. If there were 110 million people watching TV, how many of them were watching that show?

10) A bookstore carries 15 magazines. 40% of the magazines are women's magazines. How many women's magazines does the bookstore carry?

11) A bakery wants to make sure that it bakes the right number of cakes ahead of time for customers. The manager of a bakery knows that 60% of her customers want to buy chocolate cake. She will prepare 25 cakes ahead of time for the day. How many of those cakes should be chocolate?

ASSIGNMENT DUE FRIDAY, JANUARY 6, 2017

Unit 2, Chapter 2 – Percents

For each problem below, show all work or you will not receive a stamp. You may use a calculator, but show work by showing how you set up the problem.

1) A jacket that is \$50 is labeled as 15% off. What will the new price of the jacket be?

2) A store is trying to get rid of an older model of TV that normally sells for \$600. They discount it by 35%. What is the sale price of the TV?

3) A theme park usually charges \$28 for admission but for a promotion they discounted admission by 40%. What will the cost of admission be for that day?

4) Jack's Sporting Goods sells football helmets at a regular price of \$130. They are having a sale on football equipment so they mark the helmets down by 20%. What is the sale price of the helmets?

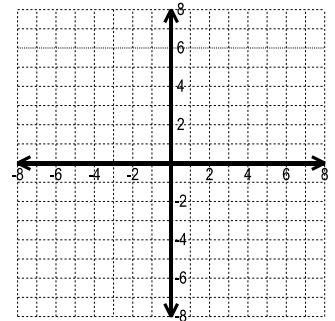
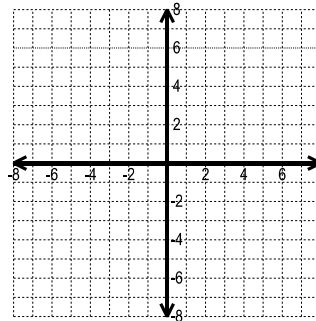
5) Marco's Electronics sells laptop computers for \$490 each. They want to clear them out to make room for a new model, so they have a clearance sale on that brand of computer. All of the computers for that brand will be marked down 30%. What is the sale price of the computer?

Skills Review

In each grid below, make a graph of a proportional relationship with the slope indicated.

6) Slope = $-\frac{2}{3}$

7) Slope = 2



For each relationship below, tell whether it is proportional or nonproportional. If it is proportional, write the common ratio.

8)

x	1	2	3	4	5	6
y	-5	-10	-15	-20	-25	-30

9)

x	2	4	6	10	14	18
y	3	6	9	15	21	27

10) A student works part-time. In one day, she works five hours and earns \$45. If she is scheduled to work six hours the next day, how much money will she make?