

Assignment Percents Problem Set 1 due 01/12/2018 at 11:59pm EST

1. (1 point) Library/PCC/BasicMath/IntegerAndSquareRoot/AbsoluteValue11.pg

Find the absolute value of the following numbers.

a. $|5| = \underline{\hspace{1cm}}$

b. $|-5| = \underline{\hspace{1cm}}$

c. $-|5| = \underline{\hspace{1cm}}$

d. $-|-5| = \underline{\hspace{1cm}}$

2. (1 point) Library/PCC/BasicAlgebra/NumberBasics/PercentDecimalConversion10.pg

Change the following percentages into decimals:

$12\% = \underline{\hspace{1cm}}$

$57\% = \underline{\hspace{1cm}}$

3. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_10.pg

In last season's basketball games, Tracei made 80% in free throws. If she attempted a total of 170 free throws, how many free throws did she make?

Solution: Tracei made $\underline{\hspace{1cm}}$ free throws last season.

4. (1 point) Library/NewHampshire/NECAP/grade7/gr7-2009/n7-2009-3s.pg

Andrew spent \$16 on gasoline last week.

He will spend 25% more on gasoline this week than he did last week.

How much will Andrew spend on gasoline this week?

- A. \$41
- B. \$24
- C. \$20
- D. \$64

5. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_20.pg

A county has 40200 residents. In the last election, 51% turned out to vote. How many residents voted?

Solution: In the last election, $\underline{\hspace{1cm}}$ residents in the county turned out to vote.

6. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_30.pg

A painting is on sale with 20% off. Its original price was \$500.00. What is its price on sale?

Solution: The painting sells for $\underline{\hspace{1cm}}$ on sale.

7. (1 point) Library/PCC/BasicMath/FractionApplication/FractionAdditionWordProblems10.pg

Anthony walked $\frac{1}{4}$ of a mile in the morning, and then walked $\frac{1}{5}$ of a mile in the afternoon. How far did Anthony walk altogether?

Anthony walked a total of $\underline{\hspace{1cm}}$ of a mile.

8. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_70.pg

A town has 2400 registered residents. Among them, 37% were Democrats, 39% were Republicans. The rest were Independents. How many registered Independents live in this town?

Solution: There are $\underline{\hspace{1cm}}$ registered Independent residents in this town.

9. (1 point) Library/PCC/BasicAlgebra/NumberBasics/PercentDecimalConversion40.pg

Change the following percentages into decimals:

$5\% = \underline{\hspace{1cm}}$

$0.5\% = \underline{\hspace{1cm}}$

$0.05\% = \underline{\hspace{1cm}}$

10. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_80.pg

Kimball is paying a dinner bill of \$28.00. Kimball plans to pay 17% in tips. How much tip will Kimball pay?

Solution: Kimball will pay $\underline{\hspace{1cm}}$ in tip.

11. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_90.pg

Chris is paying a dinner bill of \$33.00. Chris plans to pay 18% in tips. How much in total (including bill and tip) will Chris pay?

Solution: Chris will pay ____ in total (including bill and tip).

12. (1 point) Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations09.pg

Evaluate these expressions:

a. $5 + 4 - 5 =$ ____

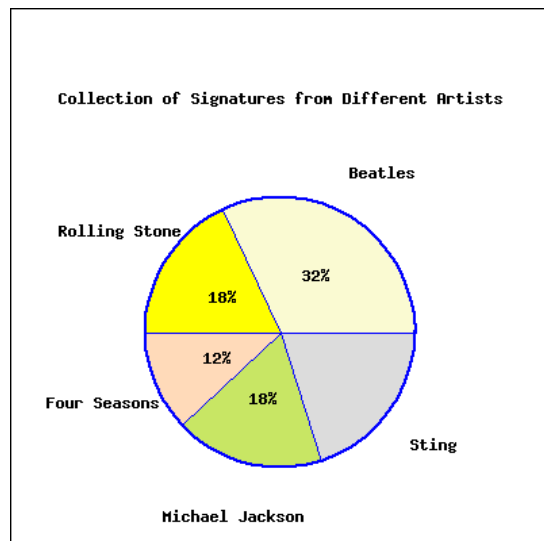
b. $5 - 4 + 5 =$ ____

13. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_100.pg

A watch's wholesale price was \$220.00. The retailer marked up the price by 35%. What's the watch's new price (markup price)?

The watch's markup price is ____.

14. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_120.pg



The pie chart represents a collector's collection of signatures from various artists. Answer the following question.

If the collector has a total of 550 signatures, there are ____ signatures by Sting.

15. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_40.pg

Dennis invested \$41,600.00 in a mutual fund, and earned 0.58% of interest. How much interest did Dennis earn?

Solution: Dennis earned ____ of interest.

16. (1 point) Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations49.pg

Evaluate this expression:

$$9 - 3(-3)2 =$$

17. (1 point) Library/PCC/BasicAlgebra/NumberBasics/AbsoluteValue30.pg

Evaluate the following expressions which involve the absolute value:

1. $-|4 - 9| =$ ____

2. $|-4 - 9| =$ ____

3. $-4|9 - 4| =$ ____

18. (1 point) Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_50.pg

Rita sells cars for a living. Each month, she earns \$1,600.00 of base pay, plus 8.3% of commission from her sales.

One month, Rita made \$48,500.00 in sales. How much income did she earn in total in that month?

Solution: Rita earned ____ in total in that month.

19. (1 point) Library/NewHampshire/unh_schoollib/Percent/pctprsl01.pg

Express each decimal as a percent.

0.7 = ____

0.02 = ____

0.032 = ____

3.79 = ____

7.07 = ____

0.766 = ____

0.009 = ____

9.9 = ____

20. (1 point) Library/PCC/BasicMath/FractionApplication/FractionMultiplicationWordProblems10.pg

A few years back, a car was purchased for \$20,400. Today it is worth $\frac{1}{6}$ of its original value. What is the car's current value?

The car's current value is ____.

21. (1 point) Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations52.pg

Evaluate this expression:

$$5 - 3[9 - (1 + 4 \cdot 2)] =$$