Assignment PercentsProblemSet1 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. $|5| =$ ___

b. $|-5| =$ ___

c. $-|5| =$ ___

d. $-|-5| =$ ___

2. **(1 point)** Library/PCC/BasicAlgebra/NumberBasics/PercentDecimalConversion10.pg
Change the following percentages into decimals:

$12\% =$ ___

$57\% =$ ___

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 _____ 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.
- B.
- C.
- D.

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, _____ 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 _____ 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 _____ 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 _____ registered Independent residents in this town.

9. **(1 point)** Library/PCC/BasicAlgebra/NumberBasics/PercentDecimalConversion40.pg
Change the following percentages into decimals:

$5\% =$ ___

$0.5\% =$ ___

$0.05\% =$ ___

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 _____ 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).

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12. **(1 point)** Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations09.pg
Evaluate these expressions:

a. $5+4-5=$ ____

b. $5-4+5=$ ____

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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 ____.

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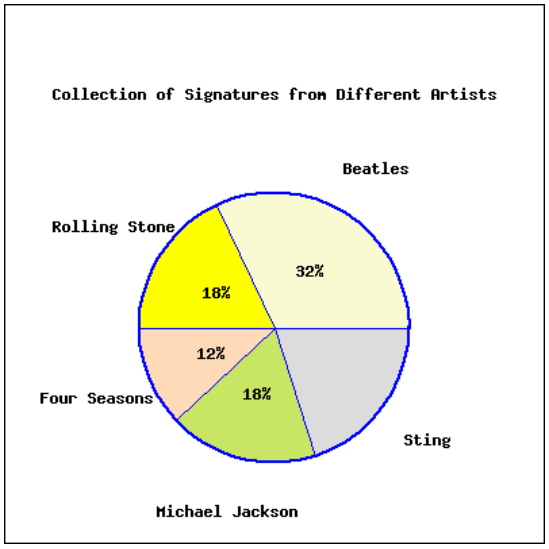
14. **(1 point)** Library/PCC/BasicMath/Percent/MTH20PercentApplicationType1_120.pg



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.

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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.

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16. **(1 point)** Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations49.pg
Evaluate this expression:

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

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

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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.

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19. **(1 point)** Library/NewHampshire/unh_schoolib/Percent/pctprs101.pg
Express each decimal as a percent.
0.7 = ___
0.02 = ___
0.032 = ___
3.79 = ___
7.07 = ___
0.766 = ___
0.009 = ___
9.9 = ___

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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 ___.

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21. **(1 point)** Library/PCC/BasicMath/OrderOfOperations_More/orderOfOperations52.pg
Evaluate this expression:

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

22. **(1 point)** Library/PCC/BasicMath/Percent/MTH20PercentIncreaseDecrease110.pg

Your salary used to be $44,000 per year.

You had to take a 4% pay cut. After the cut, your salary was _____ per year.

Then, you earned a 4% raise. After the raise, your salary was _____ per year.

23. **(1 point)** Library/PCC/BasicMath/Percent/MTH20PercentIncreaseDecrease140.pg

A small town experienced explosive population increase. Originally, the town had 490 population. Within 3 years, the town's population increased by 200%. What's the town's current population?

Solution: The town's current population is _____.