Assignment PercentsProblemSet1 due 01/12/2018 at 11:59pm EST

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1. (1 point)

Find the absolute value of the following numbers.

a. $|5| =$ ___

b. $|-5| =$ ___

c. $-|5| =$ ___

d. $-|-5| =$ ___

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2. (1 point)

Change the following percentages into decimals:

$12\% =$ ___

$57\% =$ ___

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3. (1 point)

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.

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4. (1 point) 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

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5. (1 point)

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.

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6. (1 point)

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.

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7. (1 point)

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.

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8. (1 point)

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.

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9. (1 point)

Change the following percentages into decimals:

$5\% =$ ___

$0.5\% =$ ___

$0.05\% =$ ___

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10. (1 point)

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.

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11. (1 point)

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)

Evaluate these expressions:

a. $5+4-5 =$ ___

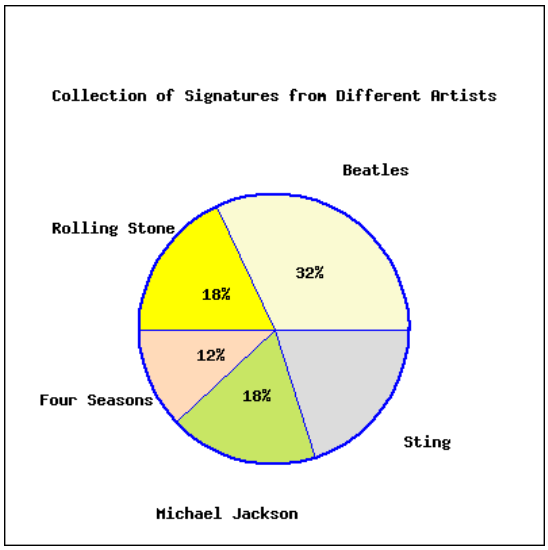
b. $5-4+5 =$ ___

13. (1 point)

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)



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)

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)

Evaluate this expression:

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

17. (1 point)

Evaluate the following expressions which involve the absolute value:

1. $-|4-9|=$ ____
2. $|-4-9|=$ ____
3. $-4|9-4|=$ ____

18. (1 point)

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) 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)

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)

Evaluate this expression:

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