

Ratio and Percent – Multiple Choice Questions

1. What is the value of the expression

$$\frac{5(-18 + 12)}{-4 + 1}?$$

- a 10
 - b 6
 - c -6
 - d -10
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2. Alfredo and his wife, Jody, work in a restaurant.

Last week Alfredo received an average of \$15 in tips for each of the 55 tables he served. Jody received an average of \$20 in tips for each of the 60 tables she served.

They are planning a weekend trip. Alfredo will pay a total of \$220 for their hotel room and Jody will pay a total of \$160 for their rental car.

How much of their combined tips will be left over after they have paid for their hotel room and rental car?

- a \$1620
 - b \$1645
 - c \$2025
 - d \$2405
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3. A basketball player scores 28 points in a game. She scores 35% of the total team points.

How many points does her team score in total?

- a 63
- b 65
- c 72
- d 80

4. Josie works in a sports store. She receives 8% of the total sales each day. One day, she receives \$35 for her portion of the total sales. What are the total sales for that day?
- a \$37.80
 - b \$43.75
 - c \$280.00
 - d \$437.50

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5. Nate buys a video-game system.
- The system costs \$300.
 - Games cost \$60 each.
 - He pays 13% tax on the system and on each game.
 - He has \$850 in total to spend.
- After he pays for the system, how many games is Nate able to buy?
- a exactly 12
 - b exactly 9
 - c no more than 7
 - d no more than 3

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6. Mario is making fruit punch by mixing orange juice and pineapple juice in a ratio of 1:3.
- How much pineapple juice should he use to make 3 L of fruit punch?
- a 0.75 L
 - b 2 L
 - c 2.25 L
 - d 4 L