12

PERCENT

2005A   1. While eating out, Mike and Joe each tipped their server $2. Mike tipped 10% of his bill and Joe tipped 20% of his bill. What was the difference, in dollars, between their bills?

(A) 2   (B) 4   (C) 5   (D) 10   (E) 20

2007A   1. One ticket to a show costs $20 at full price. Susan buys 4 tickets using a coupon that gives her a 25% discount. Pam buys 5 tickets using a coupon that gives her a 30% discount. How many more dollars does Pam pay than Susan?

(A) 2   (B) 5   (C) 10   (D) 15   (E) 20

2005B   2. A positive number x has the property that $x\%$ of x is 4. What is x?

(A) 2   (B) 4   (C) 10   (D) 20   (E) 40

2010B

2. Makayla attended two meetings during her 9-hour work day. The first meeting took 45 minutes and the second meeting took twice as long. What percent of her work day was spent attending meetings?

(A) 15   (B) 20   (C) 25   (D) 30   (E) 35

2018A

2. Liliane has 50% more soda than Jacqueline, and Alice has 25% more soda than Jacqueline. What is the relationship between the amounts of soda that Liliane and Alice have?

(A) Liliane has 20% more soda than Alice.

(B) Liliane has 25% more soda than Alice.

(C) Liliane has 45% more soda than Alice.

(D) Liliane has 75% more soda than Alice.

(E) Liliane has 100% more soda than Alice.

2000

3. Each day, Jenny ate 20% of the jellybeans that were in her jar at the beginning of that day. At the end of second day, 32 remained. How many jellybeans were in the jar originally?

(A) 40   (B) 50   (C) 55   (D) 60   (E) 75

2009B

5. Twenty percent less than 60 is one-third more than what number?

(A) 16   (B) 30   (C) 32   (D) 36   (E) 48

2012B

5. Anna enjoys dinner at a restaurant in Washington, D.C., where the sales tax on meals is 10%. She leaves a 15% tip on the price of her meal before the sales tax is added, and the tax is calculated on the pre-tip amount. She spends a total of $27.50 for dinner. What is the cost of her dinner without tax or tip?

(A) $18   (B) $20   (C) $21   (D) $22   (E) $24