

1. A hair stylist charges \$15.00 for a haircut and \$5.00 for a bottle of conditioner. How many haircuts did she give if she made \$55 and she sold 2 bottles of conditioner?  
(A) 4  
(B) 1  
(C) 2  
(D) 3  
(E) 5
  
2. One number is twice as big as another number, and the product of the two numbers is 32. What is the sum of the two numbers?  
(A) 14  
(B) 4  
(C) 2  
(D) 12  
(E) 20
  
3. Rufus takes 30 minutes to drive to work at 60 miles per hour. How many minutes will it take him to drive home at 40 miles per hour?  
(A) 45  
(B) 50  
(C) 30  
(D) 20  
(E) 10
  
4. A store marked a dress down by 20%, then marked it down another 25%, and then took another ten dollars off the price. The dress sold for \$50.00. What was the original price?  
(A) \$85.00  
(B) \$90.00  
(C) \$95.00  
(D) \$100.00  
(E) \$200.00
  
5. Fifteen girls went on a class trip. Forty percent of the students on the trip were boys. How many boys went on the trip?  
(A) 5  
(B) 6

- (C) 7  
(D) 8  
(E) 10
6. Children's tickets to a movie cost \$5.00, and adult tickets are \$10.00. A theater took in \$555.00 for one showing of a movie. How many children attended the movie?
- (A) 44  
(B) 23  
(C) 15  
(D) 19  
(E) 6
7. One pipe can fill a pool in 12 hours. When a second pipe is added, the pool is filled in 8 hours. How long would it take the second pipe to fill the pool by itself?
- (A) 24 hours  
(B) 6 hours  
(C) 45 minutes  
(D) 2 days  
(E) 3 days
8. In a certain election 7000 people voted. 44 percent voted republican and 44 percent voted democrat. The rest voted for independent candidates. How many people voted for independent candidates?
- (A) 520  
(B) 6000  
(C) 600  
(D) 500  
(E) 560

9. The diameter of a circle is the same length as one side of a square which has area 144 square inches. What is the area of the circle?
- (A) 10 Pi  
(B) 14  
(C) 36 Pi  
(D) 144 Pi  
(E) 720 Pi
10. Charlotte scored 98 on her third chemistry test. Now she has a 90 average in chemistry. What was the average of her first two tests?
- (A) 22  
(B) 40  
(C) 86  
(D) 88  
(E) 90
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### Answer Key

1. D  
2. D  
3. A  
4. D  
5. E  
6. B  
7. A  
8. E  
9. C  
10. C

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