

Questions 6 and 7 refer to the following information.

A furniture store sells five styles of table lamps. The chart below shows the wholesale price (the cost to the store) and the retail price (the cost to the consumer).

Style	Wholesale Price	Retail Price
A	\$32.00	\$45.00
B	\$16.80	\$24.90
C	\$34.00	\$41.80
D	\$23.00	\$28.90
E	\$56.50	\$74.50

6. Which style of lamp has the greatest percent of increase from the wholesale price to the retail price?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) E

7. The store's profit (P) can be found by using the function $P = n(r - w)$, where n = the number of items, r = the retail price of the item, and w = the wholesale price of the item.

A hotel buys eight lamps of Style D. What is the store's profit on the sale?

- (1) \$231.20
- (2) \$184.00
- (3) \$ 51.90
- (4) \$ 47.20
- (5) \$ 5.90

8. At an appliance store, employees who average at least 20 sales per day for five days earn a bonus. Joel has the following numbers of sales during a four-day period.

Day 1—15 sales
Day 2—22 sales
Day 3—18 sales
Day 4—26 sales

What is the least number of sales that Joel needs on Day 5 in order to earn a bonus?

- (1) 31
- (2) 24
- (3) 19
- (4) 17
- (5) Not enough information is given.

9. A baseball team won 22 of the first 40 games it played. If the team's wins and losses continue at the same rate, how many games will the team win during a 162-game season?

- (1) 55
- (2) 68
- (3) 81
- (4) 89
- (5) 111

10. Vanya needs $3\frac{3}{8}$ yards of fabric to make a vest. What is the greatest number of vests he can make from $17\frac{1}{2}$ yards of fabric?

- (1) 4
- (2) 5
- (3) 6
- (4) 7
- (5) Not enough information is given.