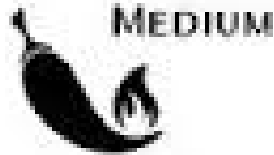


# Topic No. 07



#1

- 1.** Alexa is excited about going on a scarf factory tour. Factory 1 charges \$5 per scarf, and has an entrance fee of \$15. Factory 2 charges \$4 per scarf, and has an entrance fee of \$20. How many scarfs would Alexa have to purchase for the total cost at both factories to be the same?

  - (a) 6
  - (b) 5
  - (c) 4
  - (d) 3
  
- 2.** Bob is excited about going on a belt factory tour. Factory 1 charges \$10 per belt, and has an entrance fee of \$20. Factory 2 charges \$8 per belt, and has an entrance fee of \$28. How many belts would Bob have to purchase for the total cost at both factories to be the same?

  - (a) 6
  - (b) 5
  - (c) 4
  - (d) 3

# Topic No. 07



#1

3. Carla is comparing phone plans. Plan 1 charges \$0.02 per text, and has a monthly fee of \$20. Plan 2 charges \$0.01 per text, and has a monthly fee of \$24. How many texts would Carla have to send for each plan to cost the same per month?
- (a) 600
  - (b) 500
  - (c) 400
  - (d) 300
4. Dana is comparing phone plans. Plan 1 charges \$0.04 per text, and has a monthly fee of \$30. Plan 2 charges \$0.02 per text, and has a monthly fee of \$36. How many texts would Dana have to send for each plan to cost the same per month?
- (a) 600
  - (b) 500
  - (c) 400
  - (d) 300

# Topic No. 07



MEDIUM

#1