1. The distance from town A to town B is five miles. C is six miles from B. Which of the following could be the distance from A to C?

Indicate ALL such distances.

- [ ] A. 11
- [ ] B. 7
- [ ] C. 1

2. $\sqrt{5}$ percent of $5\sqrt{5}$ =

- ( ) A. 0.05
- ( ) B. 0.25
- ( ) C. 0.5
- ( ) D. 2.5
- ( ) E. 25

3. If pqr = 1 , rst = 0 , and spr = 0, which of the following cannot be zero?
Indicate ALL such answers.

- [ ] A. P
- [ ] B. Q
- [ ] C. R
- [ ] D. S
- [ ] E. T

$$\frac{6^5 - 6^4}{5} =$$

4.

- ( ) A. 1/5
- ( ) B. 6/5
- ( ) C. 6^3
- ( ) D. 64 / 5
- ( ) E. 64

5. -20 , -16 , -12 , -8 ....
In the sequence above, each term after the first is 4 greater than the preceding term. Which of the following could not be a term in the sequence?

Indicate ALL such numbers.

- [ ] B. 200
- [ ] C. 440
- [ ] D. 668

- [ ] E. 762
- [ ] F. 816
- [ ] G. 902

6. ♠n denotes the number obtained when n is rounded to the nearest tenth. For example ♠4.31 = 4.3
♠0.089 - ♠1.135 =

- A. 1.05
- B. 1.04
- C. -1.05
- D. -1.0
- E. -0.1

7. For how many integer values of n will the value of the expression 4n + 7 be an integer greater than 1 and less than 200?

- A. 48
- B. 49
- C. 50
- D. 51
- E. 52

$$\begin{array}{r} 5A \\ BC \\ \hline D43 \end{array}$$

8. In the following correctly worked addition sum, A,B,C and D represent different digits, and all the digits in the sum are different. What is the sum of A,B,C and D?

- A. 23
- B. 22
- C. 18
- D. 16
- E. 14

9. 12 litres of water are poured into an aquarium of dimensions 50cm length, 30cm breadth, and 40cm height. How high (in cm) will the water rise?
(1 litre = 1000cm^3)

- A. 6
- B. 8
- C. 10

- D. 20
- E. 40

10. Six years ago Anita was P times as old as Ben was. If Anita is now 17 years old, how old is Ben now in terms of P ?

- A. 11/P + 6
- B. P/11 +6
- C. 17 - P/6
- D. 17/P
- E. 11.5P

Answer Key

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