

Challenge

Place-Value Puzzle

Fill in each blank with a digit that will make the number sentence true. The digits to choose from are listed in parentheses after each number sentence. Use each digit only once.

1. _____ 5,120 > 25, _____ 20 > 25,1 _____ 0 (1, 2, 3)

2. _____ 3,900 < 2 _____, 900 = 23, _____ 00 < 2 _____, 900 (1, 3, 4, 9)

3. 7 _____, 010 < _____ 8,010 < 9 _____, 010 (7, 8, 9)

4. 3 _____, 788 > 35,7 _____ 8 = 35, _____ 88 > 35, _____ 88 (5, 6, 7, 8)

5. _____ 8,138 > _____ 7,294 < 3 _____, 705 (3, 4, 9)

6. _____ 6,047 > _____ 3,941 = 63, _____ 41 > _____ 6,542 (5, 6, 7, 9)

7. 11,3 _____ 2,671 > 1 _____, 508,712 > 10, _____ 62,212 >

10,3 _____ 7,108 (0, 3, 5, 8)

8. **Challenge** 25,908, _____ 15 < _____ 5,917,215 =

25,9 _____ 7,215 < 2 _____, 2 _____ 7,885 (1, 2, 4, 6, 7)

Challenge

Place-Value Puzzle

Fill in each blank with a digit that will make the number sentence true. The digits to choose from are listed in parentheses after each number sentence. Use each digit only once.

1. 3 5,120 > 25, 2 20 > 25,1 1 0 (1, 2, 3)

2. 1 3,900 < 2 3 ,900 = 23, 9 00 < 2 4 ,900 (1, 3, 4, 9)

Exercise 3: Answers may vary.

3. 7 9 ,010 < 8 8,010 < 9 7 ,010 (7, 8, 9)

4. 3 6 ,788 > 35,7 8 8 = 35, 7 88 > 35, 5 88 (5, 6, 7, 8)

5. 4 8,138 > 3 7,294 < 3 9 ,705 (3, 4, 9)

6. 7 6,047 > 6 3,941 = 63, 9 41 > 5 6,542 (5, 6, 7, 9)

7. 11,3 8 2,671 > 1 0 ,508,712 > 10, 3 62,212 >

10,3 5 7,108 (0, 3, 5, 8)

Challenge: Answers may vary.

8. **Challenge** 25,908, 7 15 < 2 5,917,215 =

25,9 1 7,215 < 2 6 ,2 4 7,885 (1, 2, 4, 6, 7)