

Challenge

Greatest and Least Product

For each set of digits given, write a number sentence using the two two-digit factors that will give the greatest product. Then write a number sentence using the two two-digit factors that will give the least product. Use each digit only once in each number sentence.

1. 2, 3, 5, 6 Greatest Product: _____

Least Product: _____

2. 1, 4, 7, 5 Greatest Product: _____

Least Product: _____

3. 3, 8, 9, 2 Greatest Product: _____

Least Product: _____

4. 5, 7, 1, 6 Greatest Product: _____

Least Product: _____

5. 8, 9, 4, 6 Greatest Product: _____

Least Product: _____

6. 3, 5, 2, 8 Greatest Product: _____

Least Product: _____

Challenge

Greatest and Least Product

For each set of digits given, write a number sentence using the two two-digit factors that will give the greatest product. Then write a number sentence using the two two-digit factors that will give the least product. Use each digit only once in each number sentence.

1. 2, 3, 5, 6 Greatest Product: **greatest: 62 × 53 = 3,286**

Least Product: **least: 36 × 25 = 900**

2. 1, 4, 7, 5 Greatest Product: **greatest: 71 × 54 = 3,834**

Least Product: **least: 47 × 15 = 705**

3. 3, 8, 9, 2 Greatest Product: **greatest: 92 × 83 = 7,636**

Least Product: **least: 28 × 39 = 1,092**

4. 5, 7, 1, 6 Greatest Product: **greatest: 71 × 65 = 4,615**

Least Product: **least: 57 × 16 = 912**

5. 8, 9, 4, 6 Greatest Product: **greatest: 94 × 86 = 8,084**

Least Product: **least: 69 × 48 = 3,312**

6. 3, 5, 2, 8 Greatest Product: **greatest: 82 × 53 = 4,346**

Least Product: **least: 25 × 38 = 950**