

Challenge

What Number Am I?

Use the clues to find each number.

1. I am a two-digit number. My tens digit is 4 more than my ones digit. If you multiply me by 5, the estimated product is 300. What number am I?

2. I am a two-digit number. My ones digit is greater than my tens digit. Both my digits are even numbers. If you multiply me by 4, the estimated product is 280. What number am I?

3. I am a three-digit number. My hundreds digit is the same as my ones digit. My tens digit is a multiple of 3 but not a multiple of 2. If you multiply me by 4, the estimated product is 1,600. What number am I?

4. I am a three-digit number. My tens digit is 6 less than my ones digit and 1 less than my hundreds digit. If you multiply me by 7, the estimated product is 1,400. What number am I?

5. I am a three-digit number. All my digits are odd numbers. My tens digit is the greatest of the three digits. My ones digit is 2 more than my hundreds digit. If you multiply me by 6, the estimated product is 3,600. What number am I?

6. I am a three-digit number. My tens digit is a zero. My ones digit is an odd number that is 3 less than my hundreds digit. If you multiply me by 5, the estimated product is 4,000. What number am I?

7. Write your own set of number clues. Then, have a classmate try to find the number.

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62

68

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4. I am a three-digit number. My tens digit is 6 less than my ones digit and 1 less than my hundreds digit. If you multiply me by 7, the estimated product is 1,400. What number am I?

393

217

5. I am a three-digit number. All my digits are odd numbers. My tens digit is the greatest of the three digits. My ones digit is 2 more than my hundreds digit. If you multiply me by 6, the estimated product is 3,600. What number am I?
6. I am a three-digit number. My tens digit is a zero. My ones digit is an odd number that is 3 less than my hundreds digit. If you multiply me by 5, the estimated product is 4,000. What number am I?

597

805

7. Write your own set of number clues. Then, have a classmate try to find the number.

Answers may vary
