

# Number Riddles

## Type 2: Number Riddle

1. Spencer is training for a marathon. When asked how many miles he runs each week, he is very evasive, but does give these clues:

- It is more than 150 miles.
- It is less than 225 miles.
- The number of miles is divisible by 5.
- The number of miles is divisible by 9.

2. What's my number? I am between 20 and 100, multiple of 2, 3, and 5; sum of the digits is 6.

3. What's my number? I am between 10 and 200, multiple of 7, the middle digit is 0.

4. What's my number? I am between 100 and 500, when divided by 100, remainder is 20, 3 is not a factor, 8 is not a factor.

5. What is my number? I am between 1 and 200, prime, when divided by 9, remainder is 8, one of the digits is 0.

6. Sally's friends want to throw a birthday party for her but aren't quite sure when her birthday is. They know the month is in the second half of the year, and it is an odd month that is not a prime number. The day of the month is greater than 5 but less than 20. It is a multiple of 6, and the sum of the digits in the date is 3. When is her birthday?

7. The bank is having a contest to see who can win a huge jar of candy. Mark sees all his favorites inside and really wants to win it badly, but he has no idea what to guess. Luckily, the bank has provided a few clues. Clue 1: there are more than 350 pieces of candy in it. Clue 2: there are less than 500 pieces of candy in it. Clue 3: the number is divisible by 10. Clue 4: it is divisible by 9. Clue 5: it is also divisible by 4. How many pieces of candy are in the jar.