

Name _____

Date _____

7-4 Facts and Mystery Numbers



Find the mystery number to find the missing fact.

1. The dragonfly is the fastest insect. To find how fast it can fly in miles per hour, find this number:
 - It is an even, two-digit number.
 - The difference between the digits is 3.
 - The one's digit is twice the ten's digit.

The number is _____.

2. The number of primary teeth of the average child is less than the number of teeth of an average adult, who has 32. To find the number of primary teeth of an average child, find this number:
 - It is an even, two-digit number.
 - The ten's digit is two more than the one's digit.
 - The square of the ten's digit is four more than the one's digit.

The number is _____.

3. The normal human heart beats a remarkable number of times per minute. To find the normal number of beats of the average human heart per minute, find this number:
 - It is an even, two-digit number.
 - The sum of the digits is 9.
 - The sum of the squares of the digits is 53.

The number is _____.

4. The giraffe is the world's tallest animal. To find the height of the giraffe in feet, find this number:
 - It is an odd two-digit number.
 - The ten's digit is less than the one's digit.
 - The product of the digits is 9.

The number is _____.

5. The fastest fish is the sailfish. To find how fast the sailfish swims in miles per hour, find this number:
 - It is an even two-digit number.
 - The ten's digit is two less than the one's digit.
 - The square of the ten's digit is 36.

The number is _____.

7-4 Facts and Mystery Numbers

(Continued)

6. The Portuguese man-of-war is a jellyfish found in many warm ocean waters. It is known for its painful sting (which can be fatal in some cases) and also for its long tentacles. To find the length of its tentacles in feet, find this number:
- It is an even two-digit number.
 - The difference between the digits is 7.
 - The square of the one's digit is itself.

The number is _____.

7. There are many distinctive breeds of cats. To find the number of breeds of cats, find this number:
- It is an odd two-digit number.
 - The sum of the digits is 9.
 - The square of the one's digit is 49.

The number is _____.

8. The average American uses a lot of water each day in drinking, cooking, bathing, and cleaning. To find the amount of water in gallons the average American uses each day, find this number:
- It is an odd three-digit number.
 - The sum of the numbers is 12.
 - The ten's digit is twice the sum of the one's and hundred's digits.

The number is _____.

9. The world is a big place with many countries. To find how many countries there are in the world, find this number:
- It is an even three-digit number.
 - The hundred's digit is one less than the one's digit.
 - The square of the middle number is 27 times the sum of the other two digits.

The number is _____.

10. Each year the average American uses a great amount of wood and wood products. In fact, if this amount was added up, it would equal the height of a tall tree. To find how tall in feet this tree would be, find this number:
- It is an even three-digit number.
 - The hundred's digit plus the one's digit equals 1.
 - The square of the hundred's digit is one more than the sum of the other two digits.

The number is _____.