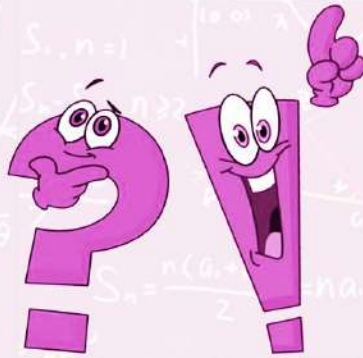


# NUMBER RIDDLES FOR KIDS!



CREATED BY: **V.P. Aadish; V.P. Aashish; Deekshitha; Swatika.P & Gautham Velayutham**

Presented by: p.q

**diksa**  
initiating learning



**diksa centre for  
excellence in math**  
grow with math

The main objectives of diksa's **grow with math** program are instilling the love for mathematics and inculcating creativity and mathematical thinking in children.

We are extremely happy and proud to present the first e- book on '**Number Riddles**' , created by our '**grow with math**' students. This book stands as a testimony to our objectives.

We congratulate **Adhish, Ashish, Swatika, Deekshitha and Gautham** for their excellent contribution.

We thank Mrs.Ganga Elango for compiling the students' work and presenting as a nice booklet.

**Sudha Ganesh Chella**

Director  
diksa

**Anuraadha Jaishankar**

Program Head  
Grow with math

## Acknowledgement

We wish to acknowledge the guidance and contribution of **Mr.S.Sundaram**, mentor and math advisor to diksa. We thank him for being a constant source of support and inspiration.



My name is **Adhish**. I am in standard VIII. I think that my tricky puzzles will be interesting to solve. My thought about the Grow with Math is, I feel comfortable when the teachers take class. They help us in understanding the topics easily and teach in a simple way.



My name is **Aashish**, I am studying in 8<sup>th</sup> standard. I did these puzzles with a great effort and thoughts so that it will be a great fun for the people who solve my puzzles. What I like in the Grow with Math program is that, the way of teaching is easier than the method taught in School. I understand them in a easy method.



My name is **Swatikaa**. I study in grade 10. One thing I like about the Grow with math is that we learn the way formulae are derived rather than memorizing them.



I am **Deekshitha G**, I am studying in 8th standard. In the Grow with math program, I like the way of teaching. I am able to understand simple interest and percentages which I was not able to understand at school.



I am **Gautham**, studying in class XI. My favourite passion is learning about graphic designing. I like the Grow with math program because I am able to do math with understanding. I am no longer scared of math. The one main thing what I enjoy is forming number riddles.

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1. I am a two-digit number.  
 If you add both my digits, you will get 10.  
 In one's place I have an odd number, but if you take a  
 letter from me I will become even.

*What number am I?*

2. In one's place I have the least prime number.  
 In tens place I have the cube of the digit in ones place.

*What number am I?*

3. I am a decimal.  
 I am an even number.  
 I am  $\pi \times 2$ .

*What am I?*

4. I am a two digit number.  
 The difference between the digits is two.  
 The square of the digit in ones place is equal to 1.

*Who am I?*



5. I am two-digit number.

I am the only prime number between 100-90.

*What number am I?*



6. I am an even number.

I am a two-digit number.

In the tens place I have the least odd number.

In the one's place I have twice that of the tens place.

*What number am I?*

7. I am a 2 digit number.

I am between  $6 \times 8$  and  $11 \times 5$ .

The sum of my digit is 6.

*What number am I?*

8. I am a 2-digit number.  
I have an odd and an even number in me.  
If you add me, you will get 7.  
In ones place, I have half of ten.

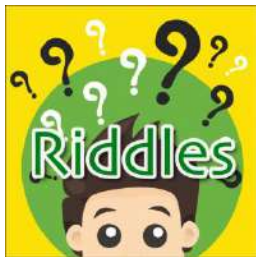
*What number am I?*

9. The sum of the two digits is 18.  
The number is the greatest 2 digit number.

*What is the number?*

10. I am a 2 digit number.  
I am even number.  
The digit in the ones place is the square of 2.  
The digit in the tens place is the square root of 36.

*What number am I?*





11. I am two digit number.

I am prime number.

The digit in the ones place is the successor of the digit in the tens place.

The digit in the tens place is twice the first odd prime number.

*What am I ?*



12. I am a 2 digit number.

I have an even number in the ones place.

I have an odd number in the tens place.

The sum of the digits is 15 and the difference between the numbers is 1.

*What number am I?*

13. I am three-digit number.

I have the largest one-digit number at ones place.

In tens place I have 5 less than ones place.

If you add me you will get eighteen.

*What number am I?*

14. I am a three digit number.

I am a composite number.

The digit in the hundreds place is the square root of 16.

The digits in the tens and ones place is double the half of  $7 \times 5$ , in that order.

*What number am I?*



15. I am a three digit number.

The digit in the tens place is the sum of the digits in ones place and hundreds place.

The number in the hundreds place is the square root of the 2nd even number from 0.

The number in the ones place is the fourth smallest prime number from 0.

*What am I?*

16. I am a 3-digit number.

In the tens place I have the square of the hundreds place.

In ones place it is the sum of the hundreds and the tens place.

The total sum of the number is 12.

*What number am I?*

17. I am a three-digit number.

I have the smallest prime number in the ones place.

The digit in the hundreds place is the square of the digit in the ones place.

The digit from hundreds to ones are in descending order.

*What number am I?*

18. I am a 3-digit number.

I have the greatest single digit number in the hundreds place.

The hundreds place is followed by the smallest two digit number.

*What number am I?*



19. I am a 3 digit number and a composite number.

The product of the tens place and ones place is 8.

The sum of the hundred place and tens place is 5.

*What number am I?*

20. I am a three digit number.

The number in the tens place is the square of the digit in the hundreds place.

The digit in the ones place is the sum of the digit in the hundreds place and the digit in the tens place.

The sum of the digits is 12.

*What number am I?*



21. I am a two digit number.

I am a prime number.

The digit in the ones place is the square root of 81 and the number in the tens place is an even number.

The product of the digits is 72.

*What number am I?*

22. I am a three digit number.

The digit in the ones place is the smallest odd number.

The digit in the tens place is the square root of 9.

The number in the hundreds place and the tens place are the same.

*What am I ?*

23. This is a 3 digit number.

All the 3 digits are even numbers.

The product of the digits in hundreds place and ones place is equal to the digit in tens place.

The digit in the hundreds place is the smallest even number.

*What is the number?*

24. I am a three digit number.

I am a composite number.

All my digits are the same.

The digit in the hundreds place is the square root 4.

*What number am I?*

25. I am a two digit number.

I am a prime number.

I am two less than the square of the 4th prime number from 1.

*What number am I?*



## Answers

| Riddle number | Answer    |
|---------------|-----------|
| 1             | 37        |
| 2             | 82        |
| 3             | 6.28      |
| 4             | 13        |
| 5             | 97        |
| 6             | 12        |
| 7             | 51        |
| 8             | 25        |
| 9             | 99        |
| 10            | 64        |
| 11            | 67        |
| 12            | 78        |
| 13            | 549       |
| 14            | 435       |
| 15            | 297       |
| 16            | 246       |
| 17            | 432       |
| 18            | 910       |
| 19            | 324 / 142 |
| 20            | 246       |
| 21            | 89        |
| 22            | 331       |
| 23            | 284       |
| 24            | 222       |
| 25            | 47        |