

50 Fun Math Trivia Questions, Puzzles and Answers

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Independent teacher review is pending. This is a Refresh Kid study resource.

Try these 50 math questions, puzzles and jokes with a friend, your class or your family. Some ask for a calculation; others are clearly labelled wordplay. Think first, then reveal the explanation.

The original 2025 collection has been recovered. This version corrects ambiguous questions and separates mathematical answers from jokes. It is a warm-up activity, not a test of mastery.

How to use the quiz

1. Choose five questions at a time.
2. Explain how you reached each mathematical answer.
3. For a joke, identify the wordplay rather than memorizing it as a fact.

Start here: questions 1-15

1. If you have 4 pizzas and eat 3.9999 of them, how many do you have left?

0.0001 pizzas (and maybe a nap)

2. What's heavier: 1,000 pounds of bricks or 1,000 pounds of feathers?

Neither! They weigh the same.

3. How many seconds are in a minute?

60 - unless you're doing burpees, then it feels like 300.

4. A donut costs \$1. You buy 10. How much do you spend?

\$10. Multiply 10 donuts by \$1 per donut; price does not tell us anything about a person's weight.

5. What's $10 + 10$?

20. Or as your phone might say, 10/10.

6. Math joke: What's a math teacher's favorite place in New York?

Times Square.

7. You multiply me by any number, and I'm still me. Who am I?

Zero.

8. Math joke: If a train leaves at 6:00 and goes 60 mph, when will the driver eat lunch?

At lunchtime.

9. Math joke: What do you get when you mix geometry and fast food?

A line for fries.

10. What's 50% of 14?

7

11. Which kind of angle measures exactly 90 degrees?

A right angle.

12. Which digit can look the same after a half-turn in a symmetric font?

8. The appearance depends on the font; 0 can also have this property.

13. Math joke: What do you call friends who love math?

Alge-bros.

14. If a vampire buys 3 dozen donuts, how many does he have?

36. Until someone checks the nutrition label.

15. What comes after 3, 6, 9...?

12. Unless you're clapping to a beat.

Keep thinking: questions 16-35

16. A farmer has 17 sheep. All but 9 run away. How many does he have left?

9

17. Math joke: What's a math teacher's favorite tree?

Geometry

18. Divide 30 by $\frac{1}{2}$, then add 10. What do you get?

70

19. You have 5 chocolate bars and give away half. How many bars remain?

2½ bars. Half of 5 is 2.5.

20. Wordplay: How do you make "seven" even?

Remove the letter S. This changes a word; the number 7 remains odd.

21. What comes next: 1, 11, 21, 1211, 111221...?

312211 (Look-and-say pattern)

22. A pizza has 8 equal slices. You eat 7. What fraction remains?

1/8 of the pizza.

23. How many months have 28 days?

All 12 of them.

24. What's $\frac{1}{3}$ of $\frac{1}{3}$ of $\frac{1}{3}$ of 27?

1

25. Math joke: Why was the equal sign so humble?

It didn't think it was less than or greater than anyone.

26. Which operation undoes multiplication by a nonzero number?

Division by that same number. Division by zero is not defined.

27. Math joke: What do you call a number that can't sit still?

A roamin' numeral.

28. What is the smallest positive integer divisible by every integer from 1 through 10?

2,520. The least common multiple is $2^3 \times 3^2 \times 5 \times 7$.

29. Math joke: What did zero say to eight?

Nice belt!

30. How many sides does a triangle have?

3 sides.

31. How many faces does a cube have?

6 square faces.

32. How many straight sides does a circle have?

None. "Inside and outside" is a joke, not the geometric meaning of a side.

33. You have 10 pencils. You give away 4. What do you have now?

6 pencils-and fewer excuses.

34. Math joke: What's a cat's favorite math subject?

Meow-gebra.

35. Math joke: Why didn't the quarter roll down the hill with the nickel?

It had more cents.

A little more challenge: questions 36-50

36. What symbol denotes the principal square root of -1?

i , the imaginary unit. Both i and $-i$ solve $x^2 = -1$.

37. Math joke: Why can't you trust an atom?

They make up everything-even your math scores.

38. Does infinity minus infinity have one fixed numerical answer?

No. Infinity is not an ordinary real number. In a limit, $\infty - \infty$ is an indeterminate form; the underlying expressions determine the result.

39. What is the sum of the interior angles of a simple octagon?

$1,080^\circ$. Use $(n - 2) \times 180^\circ$ with $n = 8$.

40. Triangle with angles 90° and 45° . Third angle?

45°

41. What is π to two decimal places?

3.14. This is an approximation; π is irrational and its decimal expansion does not terminate or repeat.

42. Can a triangle in a flat plane have two right angles?

No. Its three interior angles total 180° , so two right angles leave no positive third angle.

43. If $5x = 20$, what's x ?

4

44. A train leaves a station at 5 PM at 60 mph. A second train leaves the same station on the same route at 6 PM at 90 mph. At constant speeds, when does the second catch the first?

8 PM. At 6 PM the first train is 60 miles ahead. The closing speed is $90 - 60 = 30$ mph, so catching up takes $60 \div 30 = 2$ hours.

45. What's 13×7 ?

91

46. Give a positive integer greater than 1 that is both a perfect square and a perfect cube.

64: it equals 8^2 and 4^3 . There are other answers, including 729.

47. What's $0!$ (zero factorial)?

1

48. What's $111,111,111 \times 111,111,111$?

12,345,678,987,654,321

49. In the short-scale number names used in the United States, what comes after trillion?

Quadrillion (10^{15}), then quintillion (10^{18}).

50. Math joke: Why is math like a relationship?

One mistake, and it gets complicated.

Keep learning

Use a missed question to choose your next practice topic. Fractions, factors, geometry and number patterns become easier when you explain one step at a time. Explore math support or tell us which ideas feel difficult .

Read the companion article: <https://refreshkid.com/blog/50-fun-math-trivia-questions-2025-with-answers/>