

50 Math Trivia Questions for Kids

Numbers, shapes, puzzles and real-world maths, with a full answer key.

Name: _____ Date: _____

Mental Math Sprints (Easy)

1. What is $10 + 15$?

2. What is $20 - 8$?

3. What is 5×6 ?

4. What is half of 50?

5. What is $100 - 35$?

6. How many is a dozen plus one (a baker's dozen)?

7. What is $9 + 9 + 9$?

8. Count by 5s: what comes after 5, 10, 15, 20?

9. What is $40 \div 4$?

10. Double 16.

Shapes & Geometry

11. How many sides does an octagon have?

12. What do you call a shape with four equal sides and four right angles?

13. How many faces does a cube have?

14. What is a triangle with all three sides equal called?

15. How many degrees are in a right angle?

16. Which 3D shape is a soccer ball?

17. How many corners (vertices) does a cube have?

18. What do you call two lines that never meet, no matter how far they go?

19. A pizza slice is closest to which shape?

20. How many sides do a pentagon and a hexagon have combined?

Number Fun Facts

21. What is the only even prime number?

22. What is a googol?

23. Which number is considered unlucky in many Western countries?

24. What do you get when you multiply any number by zero?

25. What is special about the number 0 in addition?

26. Roman numerals: what number is X?

27. What comes after a million, with three more zeros?

28. Is zero an even or odd number?

29. What is the smallest two-digit number?

30. Pi is approximately what number (first three digits)?

Money & Measurement

31. How many cents are in a dollar?

32. How many nickels make a quarter?

33. If you buy a toy for \$7 and pay with a \$10 bill, what's your change?

34. How many inches are in a foot?

35. How many minutes are in half an hour?

36. Which weighs more: a pound of feathers or a pound of rocks?

37. How many days are in a year (not a leap year)?

38. If a movie starts at 4:30 and lasts 90 minutes, when does it end?

39. How many dimes make a dollar?

40. How many weeks are in a year?

Tricky Word Problems (Hard)

41. A farmer has 17 sheep. All but 9 run away. How many are left?

42. If 3 cats catch 3 mice in 3 minutes, how long do 100 cats need to catch 100 mice?

43. What three positive numbers give the same answer whether you add them or multiply them?

44. I am an odd number. Take away one letter and I become even. What number am I?

45. A duck was given \$9, a spider \$36, a bee \$27. How much for a cat, following the pattern?

46. Using only addition, how can you add eight 8s to get 1,000?

47. If there are 6 apples and you take away 4, how many do YOU have?

48. Two fathers and two sons share 3 apples; each person gets a whole apple. How?

49. What occurs once in a minute, twice in a moment, but never in a thousand years?

50. How many times can you subtract 10 from 100?

Answer Key

Mental Math Sprints (Easy)

1. What is $10 + 15$? - 25.
2. What is $20 - 8$? - 12.
3. What is 5×6 ? - 30.
4. What is half of 50? - 25.
5. What is $100 - 35$? - 65.
6. How many is a dozen plus one (a baker's dozen)? - 13.
7. What is $9 + 9 + 9$? - 27.
8. Count by 5s: what comes after 5, 10, 15, 20? - 25.
9. What is $40 \div 4$? - 10.
10. Double 16. - 32.

Shapes & Geometry

11. How many sides does an octagon have? - Eight.
12. What do you call a shape with four equal sides and four right angles? - A square.
13. How many faces does a cube have? - Six.
14. What is a triangle with all three sides equal called? - An equilateral triangle.
15. How many degrees are in a right angle? - 90.
16. Which 3D shape is a soccer ball? - A sphere.
17. How many corners (vertices) does a cube have? - Eight.
18. What do you call two lines that never meet, no matter how far they go? - Parallel lines.
19. A pizza slice is closest to which shape? - A triangle (technically a 'sector' of a circle).
20. How many sides do a pentagon and a hexagon have combined? - Eleven — $5 + 6$.

Number Fun Facts

21. What is the only even prime number? - Two.
22. What is a googol? - The number 1 followed by 100 zeros.
23. Which number is considered unlucky in many Western countries? - Thirteen.
24. What do you get when you multiply any number by zero? - Zero.
25. What is special about the number 0 in addition? - Adding 0 changes nothing — it's called the identity for addition.
26. Roman numerals: what number is X? - Ten.
27. What comes after a million, with three more zeros? - A billion.
28. Is zero an even or odd number? - Even.
29. What is the smallest two-digit number? - Ten.
30. Pi is approximately what number (first three digits)? - 3.14 — the ratio of a circle's circumference to its diameter.

Money & Measurement

31. How many cents are in a dollar? - 100.
32. How many nickels make a quarter? - Five.

33. If you buy a toy for \$7 and pay with a \$10 bill, what's your change? - \$3.
34. How many inches are in a foot? - Twelve.
35. How many minutes are in half an hour? - Thirty.
36. Which weighs more: a pound of feathers or a pound of rocks? - Neither — they both weigh exactly one pound!
37. How many days are in a year (not a leap year)? - 365.
38. If a movie starts at 4:30 and lasts 90 minutes, when does it end? - 6:00.
39. How many dimes make a dollar? - Ten.
40. How many weeks are in a year? - 52.

Tricky Word Problems (Hard)

41. A farmer has 17 sheep. All but 9 run away. How many are left? - Nine — 'all but 9' means 9 stayed!
42. If 3 cats catch 3 mice in 3 minutes, how long do 100 cats need to catch 100 mice? - Three minutes — each cat catches one mouse in 3 minutes.
43. What three positive numbers give the same answer whether you add them or multiply them? - 1, 2, and 3 — both equal 6.
44. I am an odd number. Take away one letter and I become even. What number am I? - Seven — remove the 's' and it's 'even'.
45. A duck was given \$9, a spider \$36, a bee \$27. How much for a cat, following the pattern? - \$18 — it's \$4.50 per leg. Duck: 2 legs, spider: 8, bee: 6, cat: 4.
46. Using only addition, how can you add eight 8s to get 1,000? - $888 + 88 + 8 + 8 + 8 = 1,000$.
47. If there are 6 apples and you take away 4, how many do YOU have? - Four — you took them!
48. Two fathers and two sons share 3 apples; each person gets a whole apple. How? - They're 3 people: a grandfather, his son, and his grandson.
49. What occurs once in a minute, twice in a moment, but never in a thousand years? - The letter M.
50. How many times can you subtract 10 from 100? - Once — after that you're subtracting from 90!