Riddlepedia Name _____ Date _____

Division Riddles



30 riddles from easy to tricky. Write your answer on the line. Answers are on the last page.

Easy riddles ★

1. I'm a short line with one dot above me and one dot below me. Put me between 12 and 3, and you get 4. What am I?

   ANSWER _____

2. Three friends share 12 cookies fairly. How many cookies does each friend get?

   ANSWER _____

3. There are 20 socks in the drawer, and every sock has a partner. How many pairs of socks is that?

   ANSWER _____

4. Divide any number by me, and it doesn't change at all. 9 ÷ me = 9, and 500 ÷ me = 500. Which number am I?

   ANSWER _____

5. Two brothers share a bag of 34 marbles equally. How many marbles does each brother get?

   ANSWER _____

6. A nickel is worth 5 cents. How many nickels make 35 cents?

   ANSWER _____

7. I'm the answer you get when you divide. In 12 ÷ 3 = 4, I'm the 4. What am I called?

   ANSWER _____

8. A dozen is 12. A farmer collects 24 eggs. How many dozen is that?

   ANSWER _____

9. A tricycle has 3 wheels. You count 18 wheels in the tricycle parking lot. How many tricycles are there?

   ANSWER _____

10. A dime is worth 10 cents. How many dimes do you get for 30 cents?

    ANSWER _____

Medium riddles ★★

11. Sometimes things can't be shared out evenly. I'm the amount left over at the end, like the 1 cookie nobody gets when 3 kids share 10. What am I called?

    ANSWER _____

12. 23 kids want to play a game in teams of 4. How many full teams can they make?

    ANSWER _____

13. You know that 7 × 8 = 56. So what is 56 ÷ 7?

    ANSWER _____

14. Here's a fact family: 9 × 6 = 54 and 6 × 9 = 54. Fill in the blank to finish the family: 54 ÷ 6 = ?

    ANSWER _____

15. 45 kids are going on a field trip by car. Each car has seats for 4 kids. How many cars are needed so that nobody is left behind?

ANSWER _____

16. To divide by 4, you can cut a number in half and then cut it in half again. Use that trick to find 64 ÷ 4.

ANSWER _____

17. What is 250 ÷ 10?

ANSWER _____

18. I'm a mystery number. Divide me by 6 and the answer is 6. Which number am I?

ANSWER _____

19. A quarter is worth 25 cents. How many quarters make 5 dollars?

ANSWER _____

20. It's 91 days until summer vacation. How many weeks is that?

ANSWER _____

Tricky riddles ★★★

21. A tortoise at the zoo is 132 months old. How old is it in years?

ANSWER _____

22. Divide 30 by one half, then add 10. What do you get?

ANSWER _____

23. I'm the smallest number that can be divided by 2, 3, 4, 5 and 6 with nothing left over. Which number am I?

ANSWER _____

24. You can divide by 1, by 100 or by a million. Which number can you never divide by?

ANSWER _____

25. I'm an even number between 40 and 50. When you divide me by 5, the remainder is 2. Which number am I?

ANSWER _____

26. Three friends pick 14, 9 and 22 apples. They put them all in one basket and share them equally. How many apples does each friend take home?

ANSWER _____

27. 168 marbles are split equally into 4 bags. Then each bag is shared equally by 3 kids. How many marbles does each kid get?

ANSWER _____

28. A number can be divided evenly by 3 if its digits add up to a number in the 3 times table. Which of these can be divided evenly by 3: 124, 135 or 146?

ANSWER _____

29. I'm a number between 10 and 50. Divide me by 2, by 3 or by 5, and there is always exactly 1 left over. Which number am I?

ANSWER _____

30. A baker has 230 cupcakes and boxes that hold 12 each. She only sells full boxes. How many boxes can she sell?

ANSWER _____

Answers

Division Riddles · answer key · print or fold this page away before you hand out the sheet

1. **The division sign**
2. **4 cookies. 12 ÷ 3 = 4.**
3. **10 pairs. 20 ÷ 2 = 10.**
4. **1**
5. **17 marbles. 34 ÷ 2 = 17.**
6. **7 nickels. 35 ÷ 5 = 7.**
7. **The quotient**
8. **2 dozen. 24 ÷ 12 = 2.**
9. **6 tricycles. 18 ÷ 3 = 6.**
10. **3 dimes. 30 ÷ 10 = 3.**
11. **The remainder**
12. **5 teams, with 3 kids left over. 5 × 4 = 20.**
13. **8. 7 × 8 = 56, so 56 ÷ 7 = 8.**
14. **9.** The other division fact is 54 ÷ 9 = 6.
15. **12 cars. 11 cars leave 1 kid behind, so you need one more car.**
16. **16.** Half of 64 is 32, and half of 32 is 16.
17. **25.** To divide a number that ends in zero by 10, take off the last zero.
18. **36. 6 × 6 = 36, so 36 ÷ 6 = 6.**
19. **20 quarters. 500 ÷ 25 = 20.**
20. **13 weeks. 91 ÷ 7 = 13.**
21. **11 years old. 132 ÷ 12 = 11.**
22. **70.** There are 60 halves in 30, and 60 + 10 = 70.
23. **60**
24. **Zero.** Dividing by zero has no answer, so mathematicians say it is undefined.
25. **42. 42 ÷ 5 = 8 remainder 2, and 47 is odd.**
26. **15 apples. 14 + 9 + 22 = 45, and 45 ÷ 3 = 15.**
27. **14 marbles. 168 ÷ 4 = 42, and 42 ÷ 3 = 14.**
28. **135. 1 + 3 + 5 = 9, and 135 ÷ 3 = 45.**
29. **31. 30 divides evenly by 2, 3 and 5, so 31 always leaves 1.**
30. **19 boxes. 19 × 12 = 228, with 2 cupcakes left over.**

Need a hint? Every riddle has one at riddlepedia.com/division-riddles/, where you can also play them as a game.