

Understanding 1 and 0 in Division

It's Algebra!

One and zero are special numbers in division. Understanding these rules will help you be a better mathematician.

When I divide a number by itself, I get 1.



If the divisor is 1, the quotient is equal to the dividend.

$$6 \div 1 = \underline{\quad} \quad 1 \overline{)6}$$

If the divisor and the dividend are the same number, the quotient is 1.

$$8 \div 8 = \underline{\quad} \quad 8 \overline{)8}$$

If the dividend is 0, the quotient is 0.

$$0 \div 4 = \underline{\quad} \quad 4 \overline{)0}$$

NEVER divide by zero.
The divisor can never be zero.

When I divide a number by 1, I get the same number.



Getting Started

Divide.

1. $9 \overline{)9}$

2. $1 \overline{)7}$

3. $5 \overline{)0}$

4. $6 \overline{)0}$

5. $8 \overline{)8}$

6. $1 \overline{)1}$

7. $7 \overline{)0}$

8. $1 \overline{)3}$

9. $4 \div 4 = \underline{\quad}$

10. $8 \div 1 = \underline{\quad}$

11. $0 \div 1 = \underline{\quad}$

12. $2 \div 2 = \underline{\quad}$

Practice

Divide.

1. $2\overline{)2}$

2. $5\overline{)10}$

3. $4\overline{)4}$

4. $7\overline{)14}$

5. $1\overline{)1}$

6. $2\overline{)0}$

7. $1\overline{)4}$

8. $2\overline{)6}$

9. $9\overline{)9}$

10. $3\overline{)18}$

11. $1\overline{)7}$

12. $1\overline{)8}$

13. $2\overline{)12}$

14. $4\overline{)12}$

15. $2\overline{)4}$

16. $5\overline{)5}$

17. $9\overline{)27}$

18. $1\overline{)9}$

19. $7\overline{)49}$

20. $9\overline{)0}$

21. $7\overline{)35}$

22. $3\overline{)27}$

23. $8\overline{)8}$

24. $7\overline{)63}$

25. $3\overline{)0}$

26. $7\overline{)56}$

27. $5\overline{)35}$

28. $9\overline{)72}$

29. $3\overline{)3}$

30. $2\overline{)8}$

31. $1\overline{)2}$

32. $8\overline{)40}$

33. $1\overline{)0}$

34. $6\overline{)6}$

35. $4\overline{)0}$

36. $18 \div 9 = \underline{\quad}$

37. $6 \div 1 = \underline{\quad}$

38. $6 \div 3 = \underline{\quad}$

39. $28 \div 7 = \underline{\quad}$

40. $3 \div 1 = \underline{\quad}$

41. $18 \div 6 = \underline{\quad}$

42. $5 \div 1 = \underline{\quad}$

43. $7 \div 7 = \underline{\quad}$

44. $48 \div 6 = \underline{\quad}$

45. $54 \div 6 = \underline{\quad}$

46. $0 \div 9 = \underline{\quad}$

47. $20 \div 5 = \underline{\quad}$

48. $40 \div 5 = \underline{\quad}$

49. $1 \div 1 = \underline{\quad}$

50. $0 \div 6 = \underline{\quad}$

51. $45 \div 9 = \underline{\quad}$