Dividing by 10, 100 and 1,000

Name: _____ Date: _____



Mr Boston says: Count the zeros in 10, 100 or 1,000. That is how many places the digits move.

÷ 10: digits move 1 place right · ÷ 100: 2 places right · ÷ 1,000: 3 places right. The decimal point stays still.

1. 450 ÷ 10 = _____
2. 3,700 ÷ 100 = _____
3. 52,000 ÷ 1,000 = _____
4. 64 ÷ 10 = _____
5. 805 ÷ 100 = _____
6. 9,000 ÷ 1,000 = _____
7. 1,230 ÷ 10 = _____
8. 4,500 ÷ 100 = _____
9. 7,600 ÷ 1,000 = _____
10. 38 ÷ 10 = _____
11. 250 ÷ 100 = _____
12. 125 ÷ 1,000 = _____
13. 6 ÷ 10 = _____
14. 92 ÷ 100 = _____
15. 3,040 ÷ 1,000 = _____
16. 18,000 ÷ 100 = _____
17. 707 ÷ 10 = _____
18. 85 ÷ 1,000 = _____

Place value chart

Use this chart to help you. Write the number, then move the digits.

TTh	Th	H	T	O	t	h	th

True or false?

19. “To divide by 10 you just take off a zero.” Is this always true? Explain using 37 ÷ 10.

_____

Answers for grown-ups

Dividing by 10, 100 and 1,000

1. 450 ÷ 10 = **45**
2. 3,700 ÷ 100 = **37**
3. 52,000 ÷ 1,000 = **52**
4. 64 ÷ 10 = **6.4**
5. 805 ÷ 100 = **8.05**
6. 9,000 ÷ 1,000 = **9**
7. 1,230 ÷ 10 = **123**
8. 4,500 ÷ 100 = **45**
9. 7,600 ÷ 1,000 = **7.6**
10. 38 ÷ 10 = **3.8**
11. 250 ÷ 100 = **2.5**
12. 125 ÷ 1,000 = **0.125**
13. 6 ÷ 10 = **0.6**
14. 92 ÷ 100 = **0.92**
15. 3,040 ÷ 1,000 = **3.04**
16. 18,000 ÷ 100 = **180**
17. 707 ÷ 10 = **70.7**
18. 85 ÷ 1,000 = **0.085**
19. **False.** 37 has no zero to take off, but 37 ÷ 10 = 3.7: the digits move one place to the right.