

Dividing a Decimal by a Decimal

Find each quotient.

1. $8.4 \div 0.03 =$ _____

2. $66.15 \div 0.063 =$ _____

3. $100.5 \div 1.5 =$ _____

4. $860 \div 0.04 =$ _____

5. $72.8 \div 10.4 =$ _____

6. $14.36 \div 0.04 =$ _____

7. $2.87 \div 0.1 =$ _____

8. $78.2 \div 0.2 =$ _____

9. How does multiplying both the dividend and the divisor by a factor of 10 sometimes make a problem easier to solve?

For each item, find how many times greater the 2011 cost is than the 1955 cost. Round your answer to the nearest hundredth.

Item	1955 Cost	2011 Cost
Movie admission	\$0.75	\$9.50
Regular popcorn	\$0.25	\$4.25
Regular drink	\$0.35	\$2.75

10. movie admission

11. regular popcorn

12. regular drink

13. Which item has increased the greatest amount of times from its original cost?

14. Divide. Round to the nearest hundredth. $250.6 \div 1.6$

A 156

B 156.6

C 156.61

D 156.63

15. Allison and Rhea got different quotients when they divided 4.80 by 0.12. Whose work is correct?

Explain why.

Allison

$$\begin{array}{r} 0.40 \\ 12 \overline{)4.80} \end{array}$$

Rhea

$$\begin{array}{r} 40.0 \\ 12 \overline{)480} \end{array}$$
