

Dividing Decimals

Find each quotient.

1. $8.4 \div 0.3 =$ _____ 2. $66.15 \div 0.63 =$ _____

3. $10.5 \div 1.5 =$ _____ 4. $86 \div 0.4 =$ _____

5. $72.8 \div 1.4 =$ _____ 6. $14.36 \div 0.4 =$ _____

7. $2.87 \div 0.01 =$ _____ 8. $78.32 \div 0.22 =$ _____

9. **Reasoning** Why would multiplying both the dividend and the divisor by 10 sometimes make a problem easier to solve?

For each item, find how many times greater the 2002 cost is than the 1960 cost. Round your answer to the nearest hundredth.

Item	1960 Cost	2002 Cost
Movie admission	\$0.75	\$8.50
Regular popcorn	\$0.25	\$3.25
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. **Writing to Explain** Lynn and Randi got different quotients when they divided 3.60 by 0.12. Whose work is correct? Explain why.

$$\begin{array}{r} \text{Lynn} \\ 0.30 \\ 12 \overline{)3.60} \end{array}$$

$$\begin{array}{r} \text{Randi} \\ 30.0 \\ 12 \overline{)360.} \end{array}$$
