

Dividing by a Decimal

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? _____

Test Prep

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 in Math** Lynn and Randi got different quotients when they divided 3.60 by 0.12. Whose work is correct? Explain why.

Lynn	Randi
$\begin{array}{r} 0.30 \\ 12 \overline{)3.60} \end{array}$	$\begin{array}{r} 30.0 \\ 12 \overline{)360.} \end{array}$
