

Independent Practice

In 7–10, write a power of 10 you would multiply the divisor by to make it a whole number. Then write the equivalent problem.

7. $23.56 \div 0.04$ 8. $73.2 \div 0.6$ 9. $0.3 \div 0.5$ 10. $2.73 \div 0.78$

In 11–22, find each quotient.

11. $0.25 \overline{)0.62}$ 12. $0.04 \overline{)4.56}$ 13. $0.05 \overline{)0.02}$ 14. $0.1 \overline{)182.8}$
 15. $0.03 \overline{)17.25}$ 16. $0.8 \overline{)56.8}$ 17. $0.06 \overline{)0.24}$ 18. $2.5 \overline{)1.5}$
 19. $5.5 \overline{)24.2}$ 20. $0.85 \overline{)0.34}$ 21. $0.09 \overline{)0.36}$ 22. $0.22 \overline{)48.62}$

$$\begin{array}{r} 55 \\ \times 4 \\ \hline 220 \end{array}$$

$$\begin{array}{r} 22 \\ \times 20 \\ \hline 440 \end{array}$$

(11) $0.62 \div 0.25 = x$

$$\begin{array}{r} 90 \\ 62 \\ 60 \\ \hline \end{array} \quad \begin{array}{l} \dots \\ \dots \\ \dots \end{array} \quad \begin{array}{l} 30 = 3 \\ 25 = X \\ 30 = 2 \end{array}$$

$$\begin{array}{r} x 2.48 \\ 0.25 \overline{)0.6200} \\ \underline{-500} \\ 1200 \\ \underline{-1000} \\ 2000 \\ \underline{-2000} \\ 0 \end{array}$$

$$\begin{array}{r} 2.48 \\ 0.25 \\ \hline 1240 \\ +4960 \\ \hline 6200 \end{array}$$

2dp
+2dp
4dp

Math Practices and Problem Solving

23. What number would you multiply the dividend and divisor by to make $5.72 \div 0.52$ easier to divide?
24. **MP.6 Be Precise** Carol bought 4 pork chops and 3 steaks. Each pork chop weighed 0.35 pound and each steak weighed 0.8 pound. How many pounds of meat did Carol buy in all?
25. **MP.3 Construct Arguments** Tim estimates that $60 \div 5.7$ is about 10. Will the actual quotient be greater than or less than 10? Explain.
26. **MP.2 Reasoning** Dex estimates that $4.989 \div 0.89$ is about 500. Is his estimate reasonable? Why or why not?
27. **Higher Order Thinking** Susan solves $1.4 \div 0.2$ using the diagram at the right. Is her reasoning correct? Explain her thinking.
28. **MP.7 Use Structure** The same dividend is divided by 0.1 and 0.01. How do the quotients compare? Explain your thinking.
29. **Vocabulary** Give three examples of a power of 10. Explain why one of your examples is a power of 10.



Yes. She made 14 tenths into 7 equal groups of 2 tenths.

Common Core Assessment

30. Does the expression have a quotient of 4? Choose Yes or No.
- 2.8 \div 0.7 Yes No
 0.28 \div 7 Yes No
 2.8 \div 0.7 Yes No
 0.28 \div 0.7 Yes No
31. Does the expression have a quotient of 9? Choose Yes or No.
- 1.35 \div 1.5 Yes No
 1.35 \div 0.15 Yes No
 13.5 \div 1.5 Yes No
 13.5 \div 0.15 Yes No

- a. $4 \times 0.7 = 2.8$
 b. $4 \times 7 = 28$
 c. $4 \times 0.07 = 0.28$
 d. $4 \times 0.07 = 0.28$