

Lesson 2-7 • Group 1

Reinforce Understanding

2.7 Small Group • Group 1

With my small group, I can divide with decimals by making the divisor a whole number first — one step at a time, with support.

Worked model

A ribbon 82.2 meters long is cut into 4 equal pieces. How long is each piece?

1. Write 82.2 inside the bracket with 4 outside. The divisor is already a whole number.
2. Put the quotient's decimal point straight above the point in 82.2, then start dividing.
3. Divide, multiply, subtract, bring down — one place-value column at a time.
4. An amount is still left over, so annex a zero to 82.2 and keep dividing.

Answer: Each piece is 20.55 meters long.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Rewrite each problem by making the divisor a whole number, then solve.

Complete the table. Show how you found each value.

Original	Multiply Both By	New Problem	Quotient
$4.5 \div 0.9$	10		
$3.6 \div 0.4$	10		

Show your work

2. Solve each decimal division problem.

Complete the table. Show how you found each value.

Division Problem	Quotient
$9.6 \div 0.8$	
$15.6 \div 1.3$	
$24.5 \div 3.5$	
$5.76 \div 0.24$	
$11.34 \div 0.9$	

Show your work
