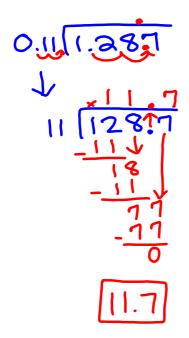
AIM: 1-11 How do we divide a decim	al by a whole number? By a decimal?
Name	Date
Ms. Piccolo	Math 6 - Period
Warm-up: Think, Pair, Share!	
The cost of 8 tickets to the fair was Write your answer in a complete sentence.	Each ticket cost? Each ticket cost \$17.50. When the searest cent or hundred ths.
	he steps for dividing a decimal by a decimal?
WHEN A D	Decimal by a Decimal ECIMAL'S ON THE SIDE, SLIDE, SLIDE!
	le number, by multiplying by a power of 10.
Multiply the dividend by the same dividend the same number of space.	power of 10. In other words, move the decimal in the es to the <u>RIGHT!</u>
3. Place a decimal point in the quotic	ent <u>directly above</u> the decimal point in the
4. Divide as you would with whole nu	mbers.
5. Check your answer by multip the dividend.	the quotient and the divisor to obtain

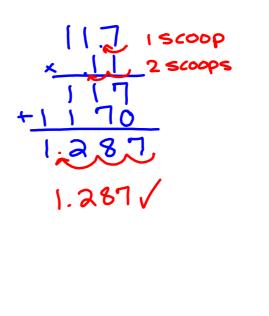
LET'S TRY SOME TOGETHER!

Examples: Divide and check using multiplication!

a) 3.25 ÷ 0.5

b) 1.287 ÷ 0.11 CHECK:







Let's Investigate: What are the steps for dividing a decimal by a whole number?

Dividing a Decimal by a Whole Number

WHEN A DECIMAL'S IN THE HOUSE, RAISE IT TO THE ROOF!



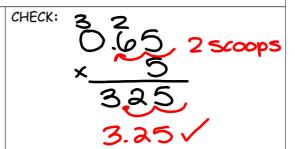
1. Place a decimal point in the quotient directly above the decimal point in the

dividend

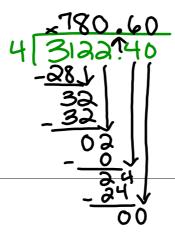
- 2. Divide as you would with whole numbers.
- 3. Check your answer using multiplication.

Examples:

3.25 ÷ 5 c)



d) The Piccolo family plans to take a cruise that costs \$3,122.40 for a family of four. How much will the trip cost per person?



Now You Try! Find the quotient and check using multiplication!

When a decimal's on the side: SLIDE, SLIDE; When a decimal's in the house: RAISE IT TO THE ROOF!

1)	172.2 ÷ 82	CHECK:
2)	14.64 ÷ 12	CHECK:
3)	36.45 ÷ 0.09	CHECK:

AIM: 1-11 How do we divide a decimal by a whole number? By a de

4)	18.88 ÷ 1.6	CHECK:
5)	McCall Middle School wants to have a car	wash to raise money for new technology
۷)	equipment. They need exactly \$468.75. Ir	
		ney charge per car so they reach their goal?
		Answer: \$
6)	-	a camping trip and agree to share the total
	cost equally. They spend \$85.43 on food,	
	items. How much does each person owe?	Keep your work <u>neat</u> and <u>organized!</u>
		Answer: \$ per person
		Miswei · 4 her herson

7) A woodshop teacher wants to cut a board that is 8.52 meters long into 4 equal How long will each piece be? Show work to support your answer!	pieces.			
How long will each piece be? Show work to support your answer!	A woodshop teacher wants to cut a board that is 8.52 meters long into 4 equal pieces.			
	Carl St. Carl			
	9			
Answer:	_ meters			

Let's Summarize: Find the quotient.

Challenge Question

10) Emilia is saving money to buy a new bicycle that costs \$195.75. She already has \$40 saved and plans to save \$8 each week. How many weeks will it take her to save enough money to purchase this bicycle?

Answer:	weeks