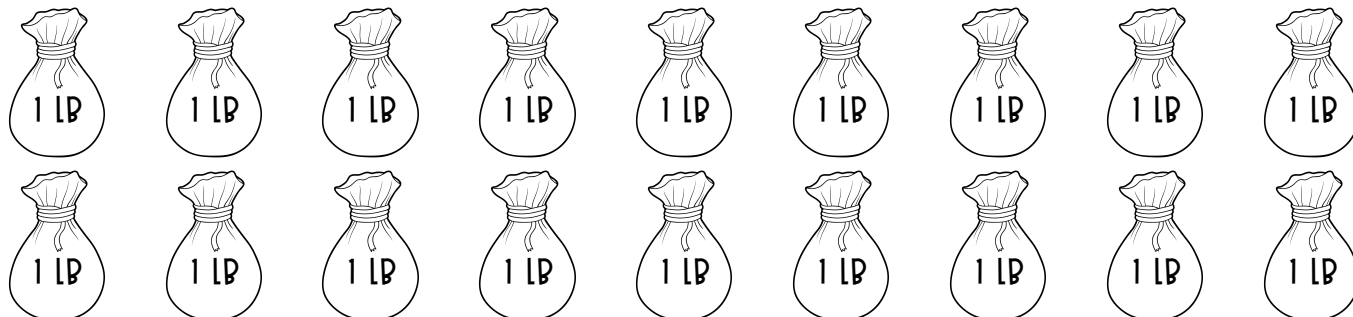


DIVIDING DECIMALS

Donovan has sandbags that each weigh one pound. Divide the sandbags into groups of five.



How many groups are there? How can we represent the sandbags that are not in a group? What could we do with them?

DIVIDING DECIMALS WITH AN ALGORITHM

- When the dividend is a decimal, you can follow the rules for dividing whole numbers.
- However, remember to keep your place values organized and bring the decimal straight up, into the _____.

Practice dividing the values below. Use the grid to keep your place values organized.

1. $378 \div 30 = \underline{\hspace{2cm}}$

2. $53.2 \div 14 = \underline{\hspace{2cm}}$

3. $186.3 \div 27 = \underline{\hspace{2cm}}$

Divide the problems below for extra practice. Roll a pair of dice and find the sum of the two numbers showing. Solve that problem, then repeat.

	SOLVE	SOLUTION
2	$12.42 \div 18$	
3	$1400 \div 32$	
4	$195.3 \div 93$	
5	$744 \div 60$	
6	$45.88 \div 62$	
7	$345 \div 75$	
8	$3150 \div 105$	
9	$825 \div 6$	
10	$112 \div 40$	
11	$278.8 \div 34$	
12	$15.4 \div 28$	

SHOW WORK HERE:

Use your understanding of dividing decimals to answer the questions below.

4. Josephine solved three different questions on a math quiz. One of the answers is incorrect. Determine which solution is incorrect and explain your reasoning.

QUESTION #1

$$50.4 \div 18 = 2.8$$

QUESTION #2

$$0.876 \div 6 = 1.46$$

QUESTION #3

$$170.1 \div 21 = 8.1$$

5. Four friends went out for dinner. The total bill was \$65.48. If the friends decided to split the bill evenly, how much did they each pay?

Summarize today's lesson: