

Math 7H - Unit 1b

Day 6 - Dividing Whole Numbers

Lesson Objectives:

- I can divide whole numbers.
- I know the correct order to perform operations.
- I can write grade-level story contexts.

Identify each part of the division equation.

dividend divisor quotient

$$\overset{\text{divisor}}{3255} \div \overset{\text{dividend}}{5} = \overset{\text{quotient}}{651}$$

$$\overset{\text{dividend}}{350} \div \overset{\text{divisor}}{70} = \overset{\text{quotient}}{5}$$

$$\overset{\text{quotient}}{129} \div \overset{\text{divisor}}{4} = \overset{\text{dividend}}{516}$$

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To divide whole numbers, start with the digit in the left most position. Then divide the digit in each place from left to right.

1. $1300 \div 65$

$$\begin{array}{r} 20 \\ 65 \overline{) 1300} \\ \underline{-130} \\ 0 \end{array}$$

2. $3776 \div 59$

$$\begin{array}{r} 64 \\ 59 \overline{) 3776} \\ \underline{-354} \\ 236 \\ \underline{-236} \\ 0 \end{array}$$

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Order of Operations

- Simplify expressions within grouping symbols first; work from the inside out.
- Take care of any exponents or roots.
- Do all multiplication and/or division from left to right.
- Finally do all addition and/or subtraction from left to right.

How do I remember?

PEMDAS

Please Excuse My Dear Aunt Sally.

Evaluate each expression following the Order of Operations.

3. $6 \div 2 \times 9 =$

$$3 \times 9 = 27$$

4. $10 \div 5 \times 3 =$

$$2 \times 3 = 6$$

5. $6 \times 22 \div 11 =$

$$132 \div 11 = 12$$

6. $3[(2+7) \div 9] - 3 =$

$$3[9 \div 9] - 3$$

$$3[1] - 3$$

$$3 - 3 = 0$$

7. $(8 \times 7) \div 14 - 1 =$

$$56 \div 14 - 1$$

$$4 - 1 = 3$$

8. $\frac{63 + 13}{34 - 29} =$

$$\frac{76}{5} = 15.2$$

$$= 15\frac{1}{5}$$

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Story Context

a. $56 \div 8$

b. $36 \div 4$

c. $6 + 27 \div 3$

d. $30 \div 2 + 4$

e. $52 \div 4 - 2$

f. $18 - 12 \div 3$

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Homework

Dividing Whole Numbers Review WKS

* Individual Think Time *



What to do if you get stuck...

- Reread the problem. Did you write it down correctly?
- Reread your notes. Is there a problem similar that we did together in class?
- Find a problem similar in your book. Try this one to see if it helps.
- Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...



Jul 8-10:14 AM