

DEVELOPMENTAL I REVIEW B

"YOUR FUTURE STARTED YESTERDAY"

1.2 ADDING AND SUBTRACTING

Two _____ numbers, add them and keep the sign.

Ex. Simplify

$$7 + 5 =$$

$$13 + 8 =$$

Two _____ numbers, add them and keep the sign.

Ex. Simplify

$$-7 + (-5) =$$

$$-13 + (-8) =$$

_____, then subtract the numbers and keep the sign of _____ number.

Ex. Simplify

$$-7 + 5 =$$

$$13 + (-8) =$$

If _____, parentheses, _____, change it to a big _____ sign.

Ex.

$$-7 - (-5) =$$

$$13 - (-8) =$$

Homework Checklist

- Section 1.3 and 1.4 Adding and Subtracting*

1.5 MULTIPLYING AND DIVIDING

Same Signs

If the signs are the _____, the answer is positive.

Ex. Simplify

$$-\frac{2}{3} \cdot -\frac{4}{5} = \frac{56}{9} =$$

Different Signs

If the signs are the _____, the answer is negative.

Ex. Simplify

$$\frac{1}{4} (-2.6) = -\frac{2.8}{2} =$$

Multiplying Decimal

When multiplying with decimals, multiply _____.

Afterwards, _____

That is how many numbers should be behind the decimal.

Ex. Simplify

$$(3.3)(.02) = \quad (.004)(13) =$$

Dividing Decimal

1. Set up as _____ problem.
2. Move the _____ decimal to the _____.
3. Move the _____ decimal exactly the same.

Ex. Simplify

$$\frac{3.3}{.02} =$$

$$\frac{.004}{13} =$$

Homework Checklist

- Section 1.5 Multiplying and Dividing*

1.6 EXPONENTS

How many time do I multiply the number I see?

Ex. Rewrite

$2^3 =$

$7^5 =$

$5 \cdot 5 \cdot 5 \cdot 5 =$

If _____ number and an _____ exponent, my answer will be _____.

If _____ number and an _____ exponent, my answer will be _____.

Ex. Simplify

$(-2)^2 =$

$(-1)^{23} =$

Where is the negative?

If the negative is _____ the parentheses my number with the exponent is _____.

If the negative is _____ the parentheses my number with the exponent is _____.

* The negative comes later in the problem, after the exponent *

Ex. Simplify

$2^2 =$

$(-2)^2 =$

$-2^2 =$

Exponent Vocabulary

The exponent number 2, is read as _____.

The exponent number 3, is read as _____.

Any other number is read as the _____.

Ex. Rewrite

14 squared =

three cubed =

8 to the 7th power =

1.6 ABSOLUTE VALUE AND ORDER OF OPERATIONS

I can remember PEMDAS as: _____

P _____

Absolute value bars make the inside number _____.

E _____

Radicals (_____) are included in this category.

M _____

D _____

A _____

S _____

For multiplication and division, the order doesn't _____.

You do whatever comes first from left to right.

For addition and subtraction, the order doesn't _____.

You do whatever comes first from left to right.

Ex. Simplify

$$\frac{-3(3+2)+5}{8-3(-4)} =$$

$$-4 | 3^2 - 5 | + [-4 + 7 (2)] \div | -5 | =$$

Homework Checklist

Section 1.6 Order of Operations