

Grade 8
Week of September 5, 2011

- Tuesday/Wednesday, September 6-7, 2011
- Read and take notes on pages 716

Class work: P 716 10-20 even

Homework: P 716 1-19 odd

Read p 4-6 in the algebra
book & taking notes

Estimation in Multiplication and Division
↳ educated guess

Multiplication:

Low: Round down both numbers

- 1 digit number ≈ 7 Round to 5

Show work { $463(219) = 400 \cdot 200 = 80,000$

{ $463(72) = 460 \cdot 70 = 32,200$

High: Round both numbers up.

Show work { $463(219) = 500(300) = 150,000$

{ $463(72) = 470(80) = 37,600$

Division: Compatible Number - one that is easily divisible by the divisor

Low: round divisor up

dividend: find its compatible #.

$$\underline{41,042} \div 92 \quad 40,000 \div 100 = 400$$

$$50,000 \div 100 = 500$$

High: round divisor down

dividend is compatible number

$$\underline{41,042} \div 92 \quad 36,000 \div 90 = 400$$

$$45,000 \div 90 = 500$$

$$\text{dividend} \div \text{divisor} = \text{quotient}$$

- Wednesday, Sept. 7, 2011
- Complete Review Quiz
- Read and take notes on pages 4-6
- SW learn to translate words into algebraic expressions and equations.

- Thursday, September 8, 2011
- 8C: SW learn to translate words into algebraic expressions and equations.
- 8A: SW how to round numbers and divisibility rules
 - Read pages 705 and 706, taking notes on rules for rounding and how to determine if numbers are divisible by a specific number

- Algebraic Expressions: expression with at least one variable and one mathematical operation

• Translate:

- 1) From verbal to numerical
- 2) From numerical to verbal

P4 Key terms: for add/subt/mult/divi.

- Write numbers in order given except when than is used.

- Algebraic Equations: equations have equal signs
 - Solvable

P5a) 26 decreased by w
 $26 - w$

c) $\underline{15v}$
 15 times v
 the product of 15 & v .

b) 4 ⁺ more than ~~8~~
 8 times k
 $4 + 8 \cdot k$
 $8k + 4$

↓ $8k + 4$

d) $r - \frac{t}{d}$
 r minus t
 divided by d

Class Work: Page 6
4, 6, 7-13 all

Homework: Page 7 14-41
every third

Read & take notes

P ~~8-10~~ 14-17

- **Rounding:**

Looking at number to the right of the digit underlined (colored).

- Round up if the digit is 5 or more

- Stays the same if the digit less than 5.

↓
1, 253
1,300

↓
8, 436
8,400

- Everything to the left stays the same

- Everything to the right change to zeros.

- Divisibility Rules :

- 2 : if the last digit 0, 2, 4, 6, 8
- 3 : Sum of the digits div by 3
- 4 : Last 2 digits div by 4
- 5 : Last digit is 0 or 5
- 6 : Has to be divisible by 2 & 3
- 8 : Last 3 digit divisible by eight
- 9 : Sum of the digits is div. by 9
- 10 : Ends in zero

827 $8+2+7=17$ $927 = 9+2+7=18$
 $2, 387, \underline{424}$ $8 \overline{) 424}$
 $ \underline{400}$ $ \underline{40} $
 $ $ $ \underline{24}$
 $ $ $ \underline{24}$
 $ $ $ \underline{0}$

- Class work: Page 705; 7-15 odd
Page 706; 5-9 odd

rounding
divisibility

- Homework: Page 705; 2-14 even
Page 706; 2-20 even

rounding
divisibility