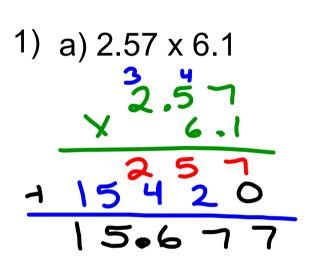
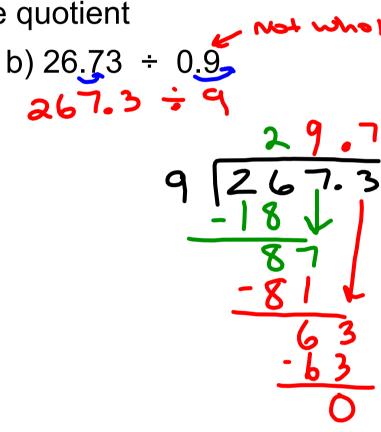
WARM UP GRADE 8

Oct. 1

Test Oct. 7

Show work and find the product or the quotient





2) Ted need 15 pieces of fabric that is 3.6 cm long to make ribbons for a local campaign. If the store has 46.8 cm of ribbon, will Ted have enough if he buys it?

15 ×3.6 Need 54.0cm
and
have 46.8cm
Not enough

a) 8 tenths : I tenth = 8
b) 12 tenths : 3 tenths = 4 (4 groups)
c) 27 tenths : 6 tenths
27 tenths : 3 tenths = 9 groups
so 4 ½ groups of 6
d) 22 tenths : 4 tenths
20 tenths : 4 tenths = 5
24 tenths : 4 tenths = 6
so 22 tenth : 4 tenths = 5.5

2 tenth : 4 tenths = 5.5

2 tenth : 4 tenths = 5.5

2 tenth : 4 tenths = 5.5

1245 + 1001.145 1245 + 0.01 12 450 1245 + 10000011451245 + 0.001 124 500

124.5 + 10 000

0.01245

124.5 + 0.0001 | 245 000

Questions

Use Base Ten Blocks to divide. Record your work on grid paper.

b) 1.2 + 0.3 d) 2.7 + 0.6

Which one is easiest to calculate? Explain.

They are basically the same but the decimals are in different places

a)
$$30 \div 6 = 6$$
b) $3.0 \div 0.5 = 6$
c) $0.3 \div 0.05_{100}$
d) $300 \div 50 = 6$

Toonie is 0.2 cm thide Howmany toonies are in a stack of touries 17.4 cm high? 0.2 [17.4] There is 87 tooniss Area = 22.32m2 A=LXW w:dtn = 0.8 m L-A length=? length - Area: width length = $22.32 \div 0.8$ 8 | 2 2 3.2 0.8 [22.32 -> length is 27.9 m ±9) 0.4kg cost \$1.34 0.4 is close to 0.5 kg a) Estimah 2x0.5 = 1 kg thus Estimate rost 2× 1.34

So $2 \times 0.5 = 1 \text{kg}$ thus 2×1.34 $\approx ^{3} 2.68$ b) How many 0.4 kg are in 1 kg? $0.4 \text{T} \rightarrow 4 \text{T0.4}$

Nerd 2.5 bags -20 2.5 X (ost 1.34 x 2.5 +2680

3,3 50

groups of 0.4ks

-9.4 7.46.2686567 x 0.4 kg = 2.98507 3kg Alex needs 14 , 0.8 m pirces a) How many 0.8 pieces can Alex cut from the remnet.? 9.88 + 0.8 0.8 9.88 3 8 98.80 12.35 Pieces A Lex can get 12.35 out of the fabric b) Will Alex have all the fabric he needs? No, he will need more 8.0 x 1.64 Pieces How much more is needed? 11. 2 b 9.88 x 0.8 has 9.88 1.32 11.2 needed Nerd 1.32 m more 05 51.65 pieces x 0.8 m knoth of 143. 20 pica - 12.35 have pig 1.65 pirasnerles 13 20 Need 1.32 m more Nerds 14, v.7 m picces of fabric 4) 14.11 124857 0.7 (9.88 -> 7 (98.80000 Renant of 4.1 Pil Su Mas Laugh, 6.7 horse expugh, 6.7 ×14 X 0.7 9.8 -> is needed hux 9.88 su ye

 $\frac{3}{3} \times 0.12 = \frac{0.36}{50}$ $\frac{3}{50} \times 0.12 = \frac{0.36}{50}$ $\frac{3}{50} \times 0.12 = 0.12$

N

b) $1.3 \times 0.12 =$ $1.3 \times 0.12 =$ $1.3 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0.12 \times 0.12 \times 0.12 \times 0.12 \times 0.12$ $1.3 \times 0.12 \times 0$

 $\frac{750}{1875} \downarrow \frac{1875}{50}$ $\frac{1875}{50} \downarrow \frac{1875}{50} \downarrow$

3.3 857

33.857

d) 2370 ÷ 70 237÷7 = 37.857 .

0.94 + 0.7 =

6.4 - 5.5 = 6.4 - 5.5 = 6.4 - 5.5 = 6.4 - 5.5 =

190.0 x 6.3 =

190 x 6.3

NAME

4.

7.

10.

DATE

3.

Decimal Operations Review

10 4 2.4

11.

21.

123.0,- 79.0 =

20.

Order of Operations

Does it matter what order we add number in? (Is 7 + 9 the same as 9 + 7) No, you can add in any order.

Does is matter what order we subtract numbers? (Is 9 - 7 the same as 7 - 9) Yes it matters what order we subtract.

Does it matter what order we multiply numbers (Is 4 x 6 the same as 6 x 4) No, you can multiply in any order.

Does it matter what order you divide numbers (Is 50 3 the same as 3 50) Yes the order matters with division.

So what if you have a question that contains more than one operation, is there a set order you be a to do the question in? $3 + 4 \times 6 - 2$?

Yes there is definitely a set order you have to do the operations in.

First, you have to do anything that is inside brackets.

Then you simplify any exponents.

Next you multiply or divide in the order they occur from left to right (that is if multiplication is first you do the multiplication, if division comes first you do the division)

Finally, you add or subtract in the order they occur from left to right (that is if the addition comes first, add, if the the subtraction comes first, subtract)

$$3 + 4 \times 6 - 2$$

 $3 + 24 - 2$
 $27 - 2 = 25$

Sometimes students use the word BEDMAS to help them remember the order

Sometimes sti <u>B - Brac</u>kets

E - Exponents

DM - Multiplication and Division in the order they occur AS - Addition and Subtraction in the order they occur

BKDM AS 1) 7+(6+3) ×4 ÷2

Order of operations with Whole Numbers

1)
$$36 \div (4 + 5)$$
 = $36 \div 9$ = 6×8 = $15 - 6 \times 2 + 10$ = 6×8 = $15 - 12 + 10$

33

$$= |2| = |2| = |2| = |2| = |3| = |2| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3| = |3$$

Order of Operations with Decimals

still use BEDMAS

No calculators

1)
$$6 \times 15.9 + 36.4 \div 4$$

$$= 95.4 + 36.4 \div 4$$

$$= 95.4 + 9.1$$

Order of Operations with Decimals

still use BEDMAS

No calculators

1)
$$17.92 \div 0.7 + 2.5 \times 3$$

= $25.6 + 2.5 \times 3$
= $25.6 + 7.5$
= 33.1

Step1) Divide
17.92 ÷ 0.7
25.6
7 179.2
-14.1
-39

show scrap work off to the side



Start to work on this today BUT we will work on it again tomorrow.

Sheet 30 all questions (No calculators)

Test 2 days time on Integer Multiplication & Decimal Operations