Warm Up Grade 8



BEDMAS

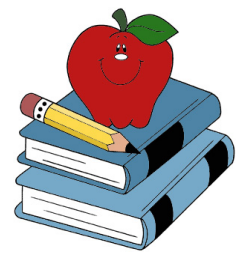
1) 12.31 ÷ (5.8 - 5.6) + 3.75 x 5

12.31 ÷ 0.2 + 3.75x5

= 61.55 + 3.75x5

= 61.55 + 18.75

= 80.30



Step1 Bracket

5.8
- 5.6
0.2

Step2) Divide 12.31 ÷ 0.2

Not whole

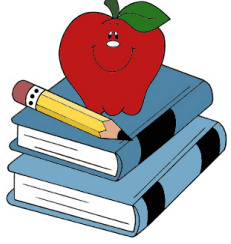
```
      61.55
   2 ⟌123.10
     -12↓  11
      03
      -2
       11
      -10
        10
       -10
         0
```

Step3 Multiply 3.75x5

```
  3 2
  3.75
x  5.
------
18.75
```

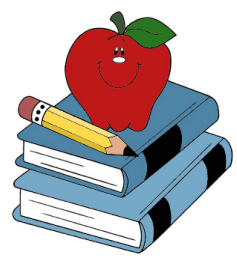
Step4) Add

```
  61.55
+ 18.75
--------
  80.30
```



Warm Up Grade 7

BEDMAS



1) $12.31 \div (5.8 - 5.6) + 3.75 \times 5$

$12.31 \div (0.2) + 3.75 \times 5$

$61.55 + 3.75 \times 5$

$61.55 + 18.75$

80.30

Step 1 Bracket

$$\begin{array}{r} 5.8 \\ -\,5.6 \\ \hline 0.2 \end{array}$$

Step 2 Divide

$$0.2 \overline{)\,12.31}$$

$$\begin{array}{r} 61.55 \\ 2 \overline{)\,123.1} \\ -12 \\ \hline 03 \\ -2 \\ \hline 11 \\ -10 \\ \hline 10 \\ -10 \\ \hline 0 \end{array}$$

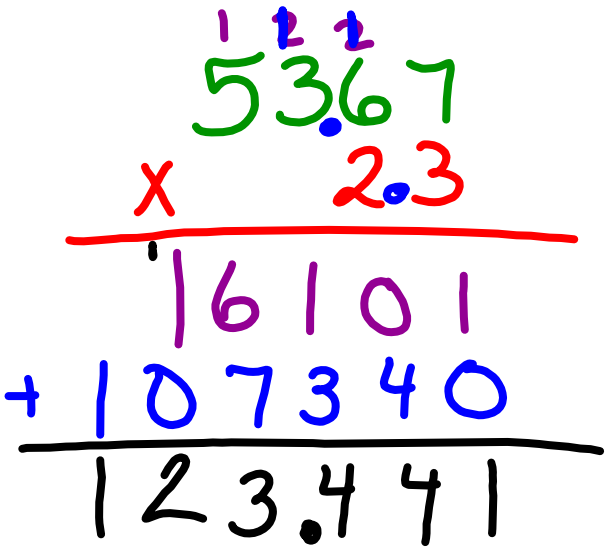
Step 3 multiply

$$\begin{array}{r} {}^{3}{}^{2} \\ 3.75 \\ \times\ \ 5 \\ \hline 18.75 \end{array}$$

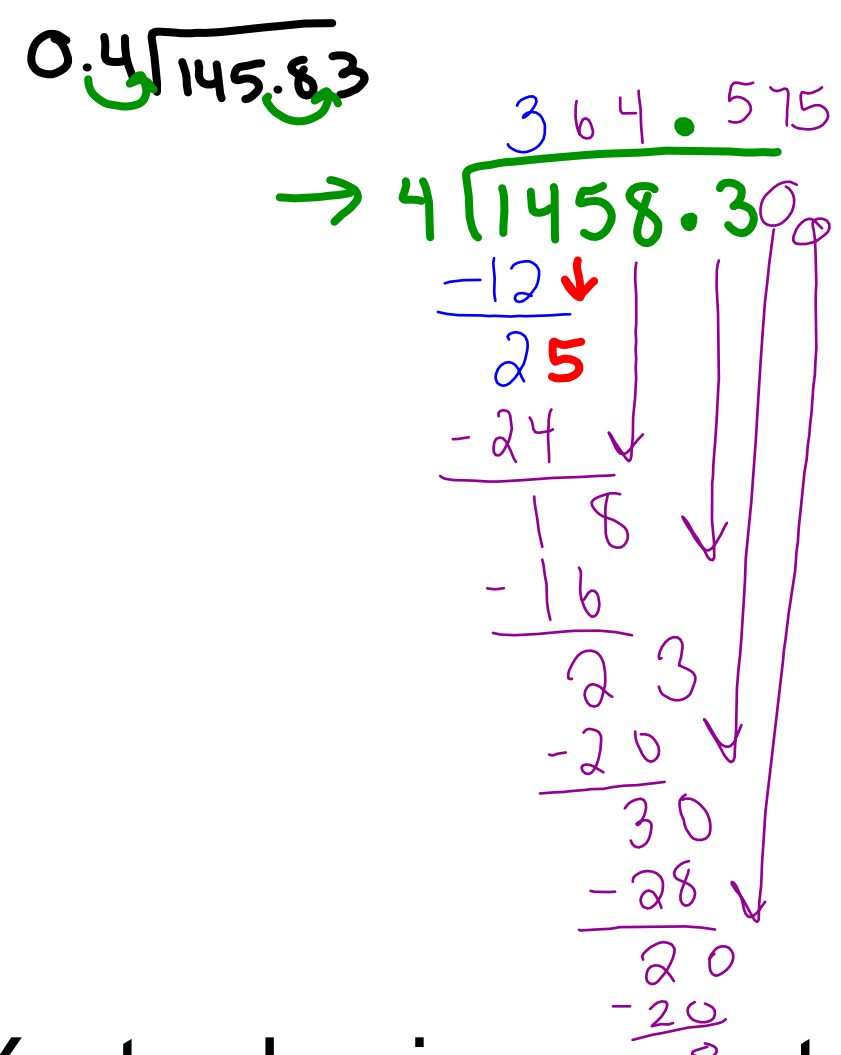
Step 4 Add

$$\begin{array}{r} 61.55 \\ +\,18.75 \\ \hline 80.30 \end{array}$$

53.67 x 2.3



145.83 ÷ 0.4 = 364.575



Answer key to WS from Yesterday is on next slide but you first must try the questions

Sheet 30 Bm + Δ

1) $(14-2)\times 3$

12×3

36

2) $35 \div (5+2)$

$35 \div 7$

5

3) $2 \times (7+3) + 5$

$2 \times 10 + 5$

$20 + 5$

25

4) $35 \div (5+2) - 4$

$35 \div 7 - 4$

$5 - 4$

1

5) $14 - 2 \times 3$

$14 - 6$

8

6) $35 \div 5 + 2$

$7 + 2$

9

7) $2 \times 7 + 3 + 5$

$14 + 3 + 5$

22

8) $35 \div 5 + 2 - 4$

$7 + 2 - 4$

$9 - 4$

5

9) $81 \div 9 + 3 \times 4$

$9 + 3 \times 4$

$9 + 12$

21

10) $63 \div 7 \div 3 + 8$

$9 \div 3 + 8$

$3 + 8$

11

11) $24 \div 6 \times 2 - 3$

$4 \times 2 - 3$

$8 - 3$

5

12) $4 + 18 \div 3 + 5 \times 2$

$4 + 6 + 5 \times 2$

$4 + 6 + 10$

20

13)

$3 \times (4 - 2) = 6$

3×2

6

14)

$42 \div (6 + 1) = 6$

$42 \div 7$

6

15)

$(8 - 3) \times (4 + 6) = 50$

5×10

50

16)

$12 \times (6 - 3) \div 9 = 4$

$12 \times 3 \div 9$

$36 \div 9$

4

17)

$48 \div 6 + 2 \times 9 = 26$

$8 + 2 \times 9$

$8 + 18$

26

18)

$(4 + 6) \times 2 \div 5 = 4$

$10 \times 2 \div 5$

$20 \div 5$

4

Part B

1a) $4.6 + 5.1 - 3.2$

$9.7 - 3.2$

6.5

$4.6 + 5.1 = 9.7$

$9.7 - 3.2 = 6.5$

b) $8 - 3.6 \div 2$

$8 - 1.8$

6.2

$3.6 \div 2 = 1.8$

$2 \overline{)3.6}$ → $2 \downarrow$, 16, 16, 0

$8 - 1.8 = 6.2$

c) $46.4 - 10.8 \times 3$

$46.4 - 32.4$

14

$10.8 \times 3 = 32.4$

$46.4 - 32.4 = 14.0$

d) $85.6 \div 0.4 \times 7$

214×7

1498

214

$4 \overline{)856}$ → $8 \downarrow$, 05, 4, 16

$214 \times 7 = 1498$

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2) $2.5 \times 4 + 9.2 \div 0.1 - (21 - 15)$

$2.5 \times 4 + 9.2 \div 0.1 - 6$

$10 + 9.2 \div 0.1 - 6$

$10 + 92 - 6$

$102 - 6$

$= 96$

Showing Work

Step 1

$21 - 15 = 6$

Step 2

$2.5 \times 4 = 10.0$

Step 3

$0.1 \overline{)9.2} \rightarrow 1 \overline{)92}$ → $9 \downarrow$, 02, 2, 0

$102 - 16 = 86$

Test outline

10 MC (No work)

Long Response (Must show work)

#1 Model Integer (-) x (-) , (+) x (+), (-) x (+)

#2) Rule for multiply integers

#3) Distributive Property (Box)

#4) Add/Subtract Decimals

#5) Multiply/Divide Decimals

#6) Word Problems

#7) BEDMAS (a) Whole Numbers B) Decimals

Class/Homework

Test SOON

Finish last day's worksheet 30

- answer key is in this notebook

Worksheet on Next page for those that are done.

Next day--> Worksheet

Extra ws

6. Use front-end estimation to place the decimal point in each answer.

a) $32.47 - 6.75 = 2\,5\,7\,2$

b) $118.234 + 19.287 = 1\,3\,7\,5\,2\,1$

c) $17.9 - 0.8 = 1\,7\,1$

7. Winsome is being trained as a guide dog for a blind person.
At birth, she had a mass of 0.475 kg.
At 6 weeks, her mass was 4.06 kg.
From 6 weeks to 12 weeks, she gained 5.19 kg.

a) By how much did Winsome's mass change from birth to 6 weeks?

b) What was her mass at 12 weeks?

8. Estimate to place the decimal point in each product.
Show your estimation strategy.

a) $9.3 \times 0.8 = 7\,4\,4$

b) $3.62 \times 1.3 = 4\,7\,0\,6$

c) $11.25 \times 5.24 = 5\,8\,9\,5$

9. A rectangular park has dimensions 2.84 km by 3.5 km.
What is the area of the park?

3.6 **11.** Evaluate.

a) $5.9 + 3.7 \times 2.8$

b) $12.625 \times (1.873 + 2.127)$

c) $2.1 \div 0.75 + 6.38 \times 2.45$