



WARM UP GRADE 8

Monday, Sept. 26

Section 2.5 Order of Operations with Integers continued



$$1) \quad 2 + (-5) \times [3 + 7 \times (-2)]$$

$$= 2 + (-5) \times [3 + (-14)]$$

$$= 2 + (-5) \times (-11)$$

what's the diff

$$= 2 + (+55)$$

$$= 57$$

$$2) \quad 50 \div [10 - (2 + 9)] \times 2$$

$$50 \div [10 - 11] \times 2$$

$$50 \div (-1) \times 2$$

$$50 \times 2 = 100$$

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Homework Solutions #7ace

$$\begin{array}{l} 7a) \underline{7(4)} - 5 \\ 28 - 5 \\ 23 \end{array}$$

8a-f

9ab, 10b, 11, 13

$$\begin{array}{l} | \quad c) (-3) + \underline{4(-7)} \\ (-3) + (-28) \\ -31 \end{array}$$

$$\begin{array}{l} e) 15 \div \underline{[10 \div (-2)]} \\ 15 \div (-5) \\ -3 \end{array}$$

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$$8a) 6(5-7) - 3$$

$$6 \times (5 + (-7)) - 3$$

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

$$-12 + (-3)$$

$$-15$$

$$b) 4 - [5 + (-11)]$$

$$4 - (-6)$$

$$4 + (+6)$$

$$+10$$

$$c) [4 - (-8)] \div 6$$

$$[4 + (+8)] \div 6$$

$$12 \div 6$$

$$2$$

$$d) 8 - 66 \div (-11)$$

$$8 - (-6)$$

$$8 + (+6)$$

$$+14$$

$$e) (-24) \div 12 + (-3)(-4)$$

$$(-2) + (+12)$$

$$+10$$

$$f) 6(-3) + (-8)(-4)$$

$$-18 + (+32)$$

$$+14$$

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Homework Solutions

$$9a) \frac{(-7) \times 4 + 8}{4} = \frac{-20}{4} = -5$$

$$\begin{array}{r} (-7) \times 4 + 8 \\ -28 + 8 \\ -20 \end{array}$$

$$b) \frac{4 + (-36) \div 4}{-5} = \frac{-5}{-5} = +1$$

Top

$$\begin{array}{r} 4 + (-36) \div 4 \\ \quad \quad \quad \underbrace{\quad \quad \quad} \\ 4 + (-9) \\ -5 \end{array}$$

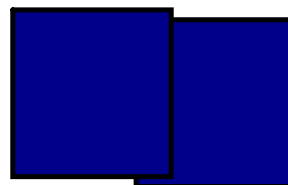
Homework Solutions

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$$b) \frac{[19 - (-5)] \div (-3)}{2(-2)}$$

$$\begin{array}{l} [19 - (-5)] \div (-3) \\ (19 + (+5)) \div (-3) \\ +24 \div (-3) \div -3 \\ -8 \end{array}$$

$$\begin{array}{r} = \frac{-8}{-4} \\ +2 \end{array}$$



$$11. (-40) - 2[-8 \div 2]$$

$$-40 - 2 \times (-4)$$

$$-40 - (-8)$$

$$-40 + (+8)$$

$$-32$$

Robert was correct

Homework Solutions

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13. $405 - 4 \times 45$

$405 - 180$

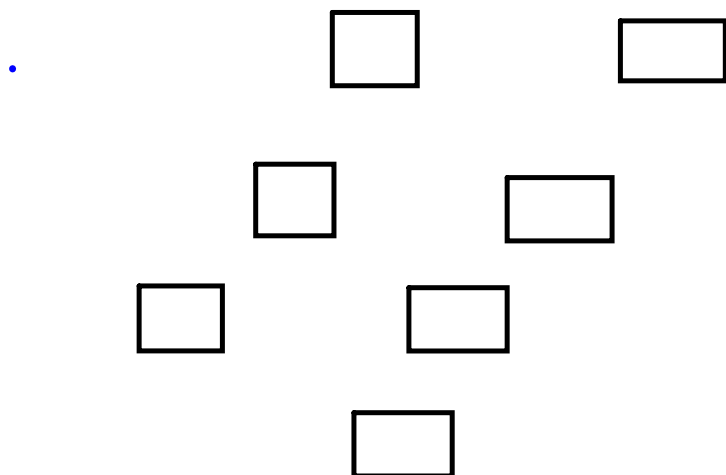
225

$405 + 4(-45) \checkmark$

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Homework Solutions

She has \$225 in her account.



$$\begin{aligned} & 18 - (-7) + 15 \div (-11 + 6) \times (-10) \\ &= 18 - (-7) + 15 \div (-5) \times (-10) \\ &= 18 - (-7) + (-3) \times (-10) \\ &= 18 - (-7) + (+30) \\ &\quad \downarrow \downarrow \text{add opp} \\ &= 18 + (+7) + (+30) \\ &= (+25) + (+30) \\ &= +55 \end{aligned}$$

Class/Homework

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7bdf	#16a,b,c
9cd	#17abcd
10cd	

If they are chatty and not working you can also assign Extra Practice 1

Extra Practice 5

Page 166 #8 to #15 (Show all work)

Class/Homework

Complete BOTH sheets and SHOW ALL
Work on your own paper

Extra Practice 1



Extra Practice 5



If they are chatty and not working you can
also assign

Page 166 #8 to #15 (Show all work)

$$\frac{14 - 2 \times 6}{2^2 + 3 \times 8} = \frac{2}{28}$$

()

$$\begin{array}{r} 14 - 2 \times 6 \\ 14 - 12 \\ 2 \end{array}$$

$$\begin{array}{r} 2^2 + 3 \times 8 \\ 4 + 24 \\ 28 \end{array}$$

Homework

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Attachments

Grade 8 Order of Operations Extra Practice.pdf

Extra Practice 5 Order of Operations (Integers).pdf