

Yvonne-Monique Anwa

Kiss my Math

Chapter 1

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1) $-2, -1, 0, 1$

2) $-12, -5, 0, 3$

3) $-10, -7, -4, 6$

4) $-8, -1, 2, 7$

Doing the math page 9

1) $9 + (-15) + 7 =$
 $-6 + 7 = 1$

2) $3 + (-5) + 4 =$
 $-2 + 4 = 2$

3) $-3 + (-5) + 4 =$
 $-8 + 4 = (-4)$

4) $-3 + (-5) + (-4) =$
 $-8 + (-4) = -12$

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2) $2 + (-4) + 8 =$
 $-2 + 8 = 6$

3) $-3 + 7 = 4$

4) $1 + 2 + (-1) =$
 $3 + (-1) = 2$

5) $-1 + (-1) + 1 + 1 =$
 $-2 + 1 + 1 =$
 $-1 + 1 = 0$

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$$2) -\frac{1}{2} + 3 + (-\frac{1}{2}) \\ 2\frac{1}{2} + (-\frac{1}{2}) = 2$$

$$3) 43.3 + (-56.9) = -13.6$$

$$4) 43.3 + (-56.9) + 2.6 = \\ -13.6 + 2.6 = -11$$

$$5) \frac{5}{2} + (-\frac{7}{2}) + .5 + .5 = \\ -1 + .5 + .5 = \\ -.5 + .5 = 0$$

Chapter 2

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$$2) -39 + (39 + 58) = \\ -39 + 97 = 58$$

$$3) (9 \times 2) \times 5 = \\ 18 \times 5 = 90$$

$$4) 3 \times (\frac{1}{3} \times 8) = \\ (3 \times 8) \times \frac{1}{3} = \\ 24 \times \frac{1}{3} = 8$$

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$$2) 7 + (2+1) \quad \text{and} \quad (7+2)+1 \\ 7+3=10 \quad \text{and} \quad 9+1=10 \\ a) \text{ yes} \quad b) 10 \leq 10$$

$$4) 5 \times (\frac{1}{2} \times 6) \quad \text{and} \quad (5 \times \frac{1}{2}) \times 6 \\ 5 \times 3 = 15 \quad \text{and} \quad \frac{5}{2} \times \frac{6}{1} = 15 \\ a) \text{ yes} \quad b) 15 \leq 15$$

$$3) (6-2)+4 \quad \text{and} \quad 6-(2+4) \\ 4+4=8 \quad \text{and} \quad 6-6=0 \\ a) \text{ no} \quad b) 8 \neq 0$$

$$5) 6+(2 \times 3) \quad \text{and} \quad (6+2) \times 3 \\ 6+6=12 \quad \text{and} \quad 8 \times 3=24 \\ a) \text{ no} \quad b) 12 \neq 24$$

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Pre-Algebra

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6) $(8 \div 2) \div 2$ and $8 \div (2 \div 2)$

$4 \div 2 = 2$ and $8 \div 1 = 8$

a) no b) 2 \neq 8

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2) $(-18.5 + y) + 8.5 =$

$(-18.5 + 8.5) + y =$

$-10 + y$

4) $7 \times (z \times \frac{1}{7})$

$(7 \times \frac{1}{7}) \times z =$

$1 \times z$ or z

3) $(-18.5 \div y) + 1.5 =$

not allowed

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2) $(-1)(-1)(-1)(-1)(-1)(-1)(7) = 7$

3) $\frac{-(-8)(-4)}{-(-2)(6)} = \frac{32}{12} = \frac{8}{3}$ or $2 \frac{2}{3}$

4) $-\left[\frac{(-1)(-1)(-2)}{(-3)(2)}\right] = -\left[\frac{2}{6}\right] = -\frac{1}{3}$

5) $\frac{-(-5)(-3)}{(3)(-5)} - \frac{9}{(-9)} = -\frac{15}{15} - (-1) = -1 + 1 = 0$

6) $-\left[\frac{-(-5)(-3)}{(3)(-5)} + \frac{9}{(-9)}\right] = -\left[-\frac{15}{15} + (-1)\right] = -[-2] = -2$

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$$\begin{aligned} 2) \quad & 2|7-8|+5= \\ & 2(1)+5= \\ & 2+5=7 \end{aligned}$$

$$\begin{aligned} 4) \quad & 1-|-1/2|= \\ & 1-1/2=1/2 \end{aligned}$$

$$\begin{aligned} 3) \quad & 5-|-3-(-1)|-1= \\ & 5-|-3+1|-1= \\ & 5-|-2|-1= \\ & 5-2-1=2 \end{aligned}$$

$$\begin{aligned} 5) \quad & 1-|-1/2|+2|7-8|= \\ & 1-1/2+2(1)= \\ & 1-1/2+2= \\ & 1/2+2=2\frac{1}{2} \end{aligned}$$

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$$\begin{aligned} 2) \quad & 1, 2, 3, 4 \\ & \frac{1+2+3+4}{4} = \frac{10}{4} = \frac{5}{2} = 2\frac{1}{2} \text{ mean} \\ & \frac{2+3}{2} = \frac{5}{2} = 2\frac{1}{2} \text{ median} \\ & \text{no mode} \end{aligned}$$

$$\begin{aligned} 5) \quad & -4, -4, -1, -2, 0, -1 \\ & \frac{-4+(-4)+(-1)+(-2)+0+(-1)}{-12/6} = -2 \text{ mean} \end{aligned}$$

$$\begin{aligned} 3) \quad & 3, -6, 3, 3, 0, 15, 3 \\ & \frac{3+(-6)+3+3+0+15+3}{7} = \frac{21}{7} = 3 \text{ mean} \end{aligned}$$

$$\begin{aligned} & 0, -1, -1, -2, -4, -4 \\ & \frac{-1+(-2)}{2} = \frac{-3}{2} = -1\frac{1}{2} \text{ median} \end{aligned}$$

3 median
3 mode

-4 & 1 mode

$$\begin{aligned} 4) \quad & 15, 2, 7, 2, 7, 3 \\ & \frac{15+2+7+2+7+3}{6} = \frac{36}{6} = 6 \text{ mean} \end{aligned}$$

2, 2, 3, 7, 7, 15

$$\frac{3+7}{2} = \frac{10}{2} = 5 \text{ median}$$

2 & 7 are the mode