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Week 1 || Answer Key

a.) False
b.) False
c.) True
d.) True
e.) False

a.) 50
b.) 5,000
c.) 620
d.) 6.2
e.) 89
f.) 0.89
g.) 0.71
h.) 71

Number	Phrase
7	Is 10 times as much as 70
0.7	Is 1/10 of 7
700	Is 10 times as much as 70
0.07	Is 1/10 of 0.7
70	Is 1/10 of 700

Week 2

Number & Operations in Base Ten Standard 5.NBT.3

1. (6 x 1) + (7 x 1/10) + (4 x 1/100) + (1 x 1/1000)
2. (9 x 10) + (8 x 1) + (4 x 1/10) + (8 x 1/100)
3. (4 x 100) + (7 x 10) + (3 x 1) + (9 x 1/10)
4. (9 x 1) + (1 x 1/10) + (0 x 1/100) + (4 x 1/1000) + (2 x 1/10000)
5. (7 x 10) + (6 x 1) + (0 x 1/10) + (7 x 1/100)
6. (2 x 10) + (0 x 1) + (0 x 1/10) + (0 x 1/100) + (1 x 1/1000)

7. C
8. A

9. A, B, F, H, I,

Comparing Decimals Answer Key

1) 8.01 < 8.1
2) 2.025 < 2.205
3) 10.12 > 10.012
4) 9.75 < 9.755
5) 8.091 < 8.291
6) 6.2 = 6.200
7) 9.9 > 9.899
8) 8.99 < 8.991

9)

Less	Equal	Greater
635.4 635.409 635.04	635.490	636.0 635.4955

10)

A and B) .519 or .517 or .513

C and D) .537 or .539 or .571 or .573 or .579 or .591 or .593 or .597

11) 2.449 is greater than 2.429 by .020. Explain further.

12) Patrick by .15. Explain further.

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7) 3.5

8) 7.9

9) 3.564

Nearest whole: 4.0

Nearest Tenth: 3.6

Nearest hundredth: 3.56

Nearest thousandth: 3.564

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1) 83.26 —> F
2) 86.21 —> W
3) 85.62 —> S
4) 33.7 —> D
5) 15.45 —> G
6) 21.39 —> A
7) 44.11 —> I
8) 40.67 —> O
9) 20.976 —> U
10) 8.82 —> U
11) 1134.84 —> T
12) 24.36 —> N

August Of Wind

WEEK 5 || Number & Operations – Fractions Standards 5.NF.1 and 5.NF.2: Use equivalent fractions as a strategy to add and subtract fractions.

Perform the indicated operation(s)

1) $\frac{1}{3} + \frac{1}{4} + \frac{1}{6}$ **3/4**	2) $\frac{1}{3} + \frac{5}{6} + \frac{1}{12}$ **5/4**	3) $3\frac{5}{9} + 2\frac{1}{6}$ **5 13/18**
4) $4\frac{3}{10} + 6\frac{1}{3}$ **10 19/30**	5) $10\frac{1}{2} - 8\frac{2}{9}$ **2 5/18**	6) $3\frac{8}{9} - 2\frac{5}{12}$ **1 17/36**

7) $\frac{1}{2} + \frac{1}{3} - \frac{1}{4}$ **7/12**	8) $\frac{1}{8} + \frac{3}{4} - \frac{2}{3}$ **5/24**

Let's Get Active!!!

9) Krissy swam 2/3 of a mile on Monday and 3/4 of a mile on Wednesday.

- How many miles did she swim over the two days?
- If she wants to swim a total of 3 miles before Friday, how much farther does she need to swim?

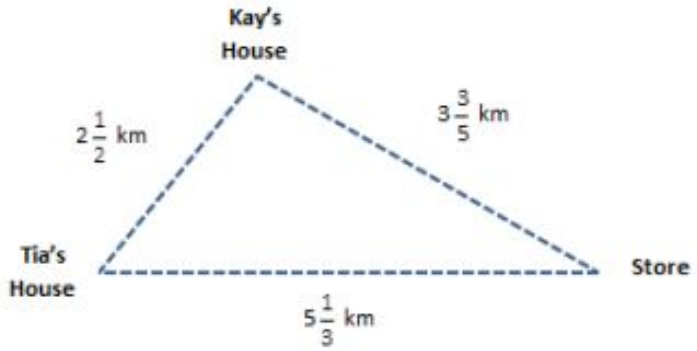
1. She swam 17/12 or 1 5/12 miles!
2. She would need to swim 1 7/12 miles!

10) Carla is training for a marathon. On Wednesday, she ran 5 3/8 miles for her workout. On Thursday, she ran 9 4/5 miles. How much farther did she run on Thursday than Wednesday?

- She ran 417/40 more miles on Thursday than on Wednesday.

11) From her house, Tia biked to the store and then to her friend Kay's house before returning home, as shown in the diagram to the right. How many total kilometers did Tia bike?

- Tia biked 11 13/30 miles!



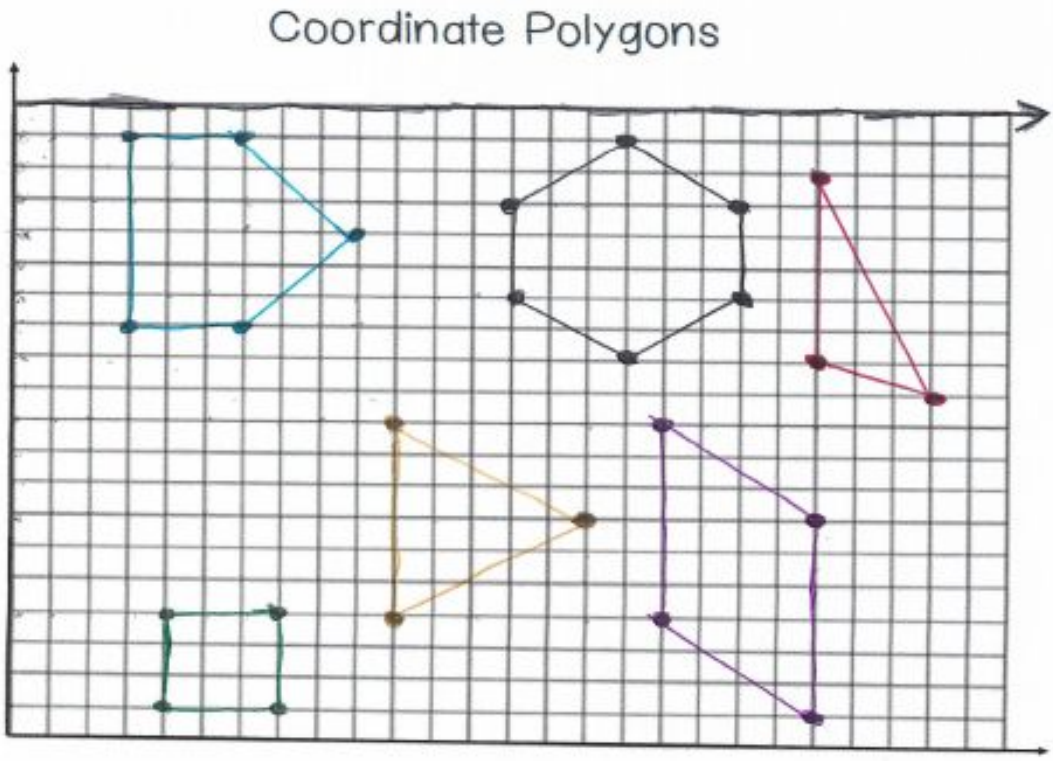
Summer Scholar Enrichment Activities

Math 6

WEEK 6 || Geometry & The Coordinate Plane –
MGSE5.G.1 (370Q) Use a pair of perpendicular number lines, called axes to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates.

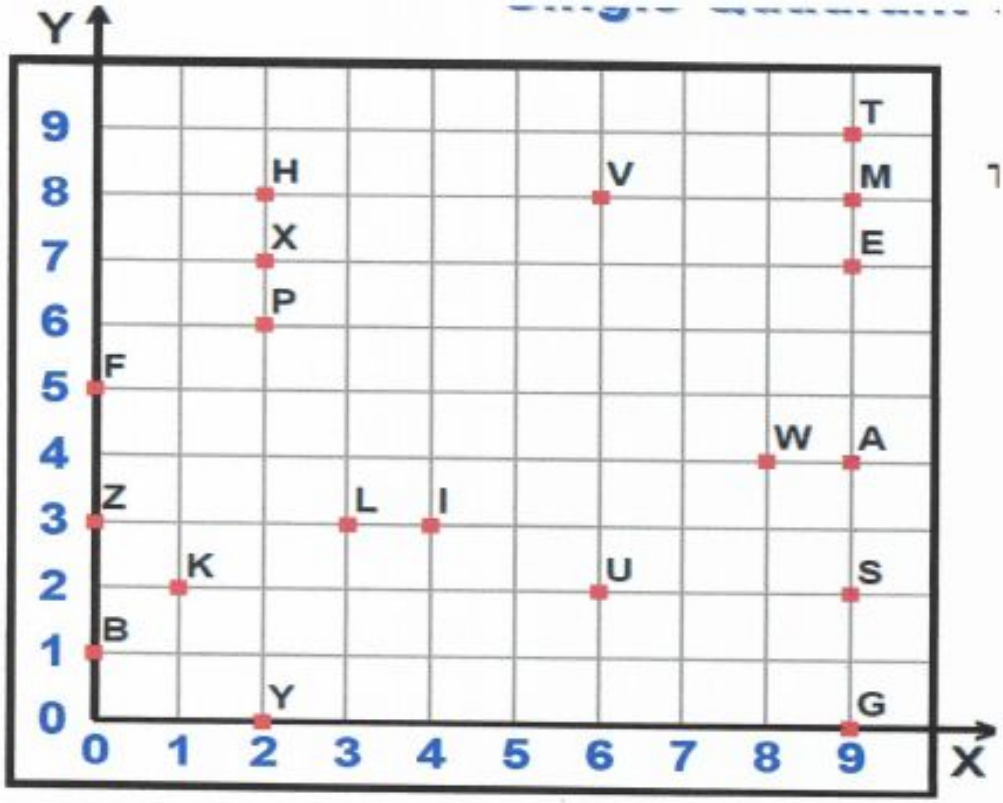
Directions: Plot the ordered pairs and connect the points to create polygons on your coordinate grid paper. Be sure to turn your grid paper sideways to make everything fit.

Polygon 1: (2, 21) (8, 21) (9, 24)
Polygon 2: (10, 10) (13, 15) (16, 10)
Polygon 3: (16, 4) (16, 7) (19, 4) (19, 7)
Polygon 4: (1, 3) (1, 6) (4, 9) (7, 6) (7, 3)
Polygon 5: (10, 17) (13, 21) (19, 21) (16, 17)
Polygon 6: (3, 13) (1, 16) (3, 19) (6, 19) (8, 16) (6, 13)



Summer Scholar Enrichment Activities

Math 6



Directions: Write the ordered pair for each given point below

T (9,9) A (9,4) X (2,7)

S (9,2) L (3,3) M (9,8)

K (1,2) G (9,0) F (0,5)

WEEKS 7 & 8 || MATH 6 UNIT 1 PREVIEW – Number System Standard
6.NS.4: Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor.

1) LCM of 6 and 9 = 18	2) LCM of 6 and 10 = 30
3) LCM of 8 and 12 = 24	4) LCM of 5 and 8 = 40
5) LCM of 4, 6, and 9 = 36	6) LCM of 4,5, and 6 = 60

7. You must buy 4 packages of hot dogs and 5 packages of hot dog buns to have 1 hot dog for each hot dog bun. The least common multiple is 40.

8. 60 fans will come into the stadium before a fan receives both a hat and a T-shirt. The least common multiple is 60.

9. The smallest number that Brandon could be thinking of is 24; therefore, the least common multiple is 24.

10. The bass drum and the chimes will be struck at the same time on the 44th beat. The least common multiple is 44.

1) Answer: 9 plates (10 pretzels and 7 cookies) 9 is the greatest number that divides both 90 and 63. (Tip: Write down all factors)
2) Answer: 8 plates (8 apples and 3 oranges) 8 is the greatest number that divides both 64 and 24. (Tip: Write down all factors)
3) Answer: 5 cups (5 grapes, 3 strawberries, and 10 apples) (Tip: Write down all factors)
4) Answer: 9 party bags (4 party favors, 3 cookies, and 2 lollipops. (Tip: Write down all factors)

Distributive Property Exercises

$2(14+18) = 2(7+9) = 2(16) = \underline{32}$
$39+18 = 3(13+6) = 3(19) = \underline{47}$
$25+15 = 5(5+3) = 5(8) = \underline{40}$
$60+48 = 6(10+8) = 6(18) = \underline{108}$
$6+42 = 6(1+7) = 6(8) = \underline{48}$
$24+40 = 8(3+5) = 8(8) = \underline{64}$
$35+49 = 7(5+7) = 7(12) = \underline{84}$
$66+88 = 11(6+8) = 11(14) = \underline{154}$