CCLCS Incoming Grade 6 Summer Math Practice

You are welcome to print this work or complete it on Google Classroom. For a paper copy to be mailed, please email ahaven@cclcs.info . Thank you!!

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5th-grade Review

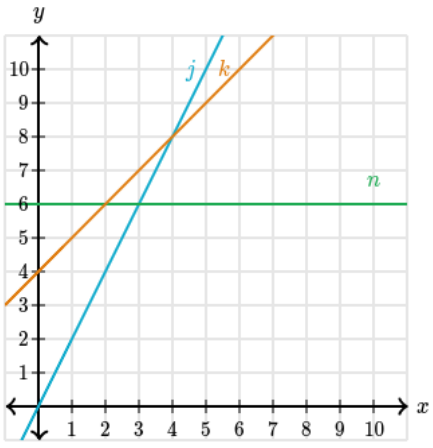
1. Operations & Algebraic Thinking
2. Number & Operations in Base 10
3. Number & Operations - Fractions
4. Measurement & Data
5. Geometry

Each section has a review page & 5 problems to complete. That's 25 math problems for the summer (plus Bonus). Please complete the ENTIRE review packet by the first day of school.

Fill in this blank Multiplication Chart to help you practice your Math Facts! Flashcards are a great way to practice too! :)

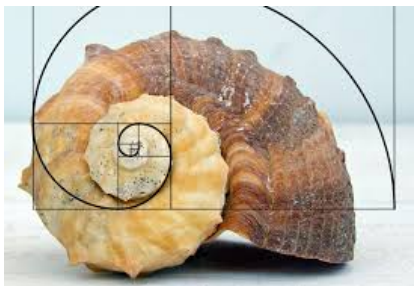
X	0	1	2	3	4	5	6	7	8	9	10	11	12
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

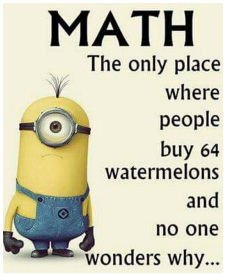
Practice Page 1

1. Evaluate the following expression. Follow PEMDAS. 2 + 1 x 2	2. Solve using PEMDAS 5 x (8 + 6 - 2)
3. Find the product. Show your work. 238 x 5 =	4. Find the product. Show your work. 832 x 15 =
5. Find the quotient. Show your work. 9,475 ÷ 5 =	**Bonus:** For any point on line n, the y-coordinate is _____. 

Practice Page 2

6. What value does the 1 represent in the number 4,105.8? a. One b. Ten c. One Hundred d. One thousand	7. Complete the following inequalities with >, < , or =. 6____6.000 0.101____0.011 120.12____12.121
8. Add. 12.42 + 0.5=	9. Subtract. 25.75 - 3.21 =
10. Multiply. 341 x 2.7	**Bonus:** Divide. 0.81 ÷3 =





Practice Page 3

11. Reduce the following fractions:
*use common factors

$\frac{4}{8}=$ $\frac{9}{12}=$

$\frac{3}{6}=$ $\frac{50}{100}=$

12. Circle the fractions that are equivalent to $\frac{1}{4}$: *use common multiples

$\frac{2}{8}$ $\frac{3}{6}$ $\frac{12}{18}$

$\frac{3}{12}$ $\frac{4}{16}$ $\frac{10}{40}$

13. Add. *Must have Common Denominators! CD's

$\frac{1}{3}+\frac{2}{4}=$

14. Subtract.
*Must have Common Denominators! CD's

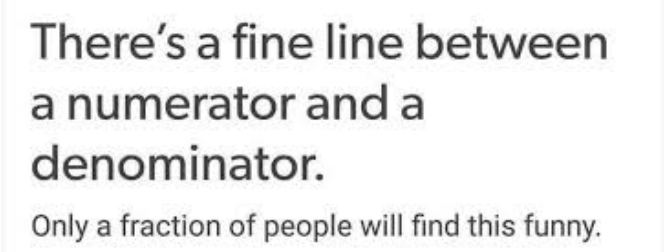
$\frac{5}{6}-\frac{1}{3}=$

15. Multiply. *No CD needed!
Tops x Tops & Bottoms x Bottoms

$\frac{4}{9}\times\frac{2}{4}=$

Bonus: Divide. *Keep, Change, Flip

$\frac{3}{7}\div\frac{1}{2}=$



Practice Page 4

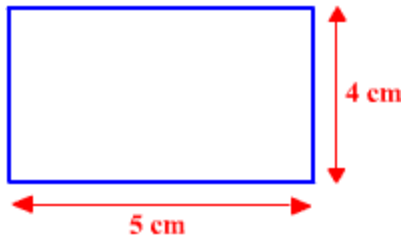
16. Convert cups to pints.
*2 cups = 1 pint

18 cups = _____pints

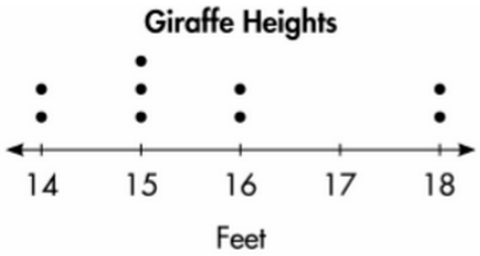
17. Convert inches to feet.
*12 inches = 1 foot

48 inches = _____feet

18. Calculate the perimeter of this rectangle.



19. How many giraffes are 17 feet tall?



20. How many people did 38 sit-ups?

Number of Sit-Ups

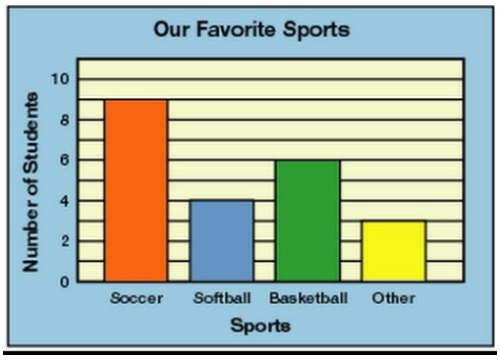
Stem	Leaves
3	4 6 8 8
4	0 3 6 7 7
5	0 0 1 2

The tens digits are called the *stems*.

The ones digits are called the *leaves*.

Key: 3 | 6 = 36

Bonus: How many students chose either "Softball" or "Other" as their favorite sport?

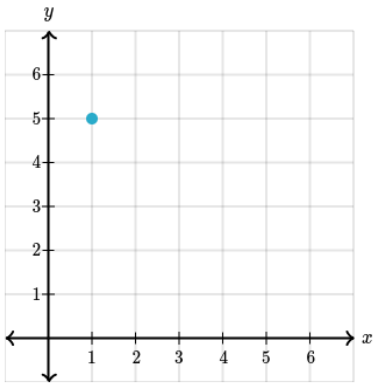


Why didn't the two 4's feel like dinner?
Because they already 8.

Practice Page 5

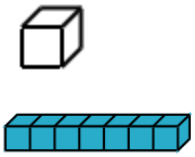
21. How many triangles were used to make this cat?____How many quadrilaterals were used?____

22. What is the x-coordinate of the point plotted below?



23. What is the volume of the rectangular prism?

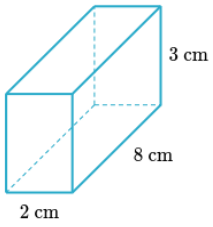
Unit cube:



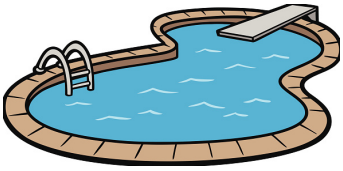
unit cubes

24. What is the volume of the rectangular prism?

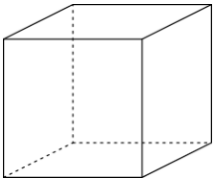
cm³

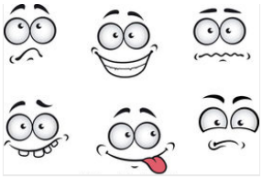


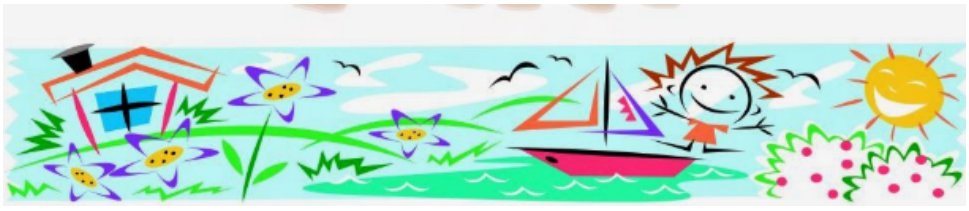
25. Is the amount of water a pool holds known as its volume or surface area?



Bonus: How many faces does a cube have?







Great work! :)

Reference Page

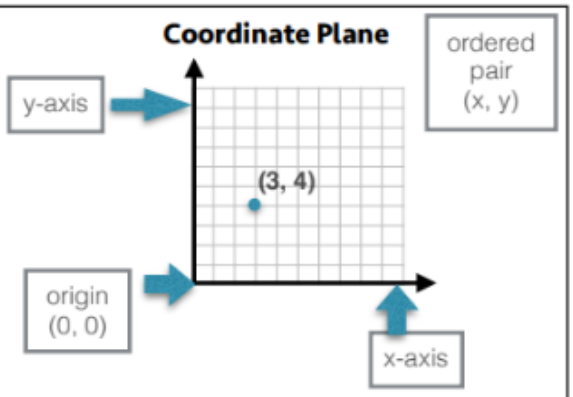
Order of Operations

P parentheses
E exponents
MD multiplication & division from left to right
AS addition & subtraction from left to right

Please Excuse My Dear Aunt Sally

$32 \div (2 \times 2) + 3 =$
$32 \div 4 + 3 =$
$8 + 3 =$
$= 12$

Coordinate Plane

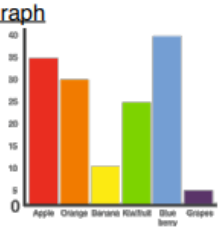


Types of Graphs

Bar Graph

When to Use It:
-to compare different things

-to show change over time



Prime & Composite Numbers

prime number: a number with exactly two factors
Examples: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, etc.

composite number: a number with three or more factors *Examples:* 4, 6, 8, 9, 12, 14, 15, 16, etc.

Neither Prime NOR Composite: 0 and 1