#3 WORK OF THE WEEK (Gr 8)

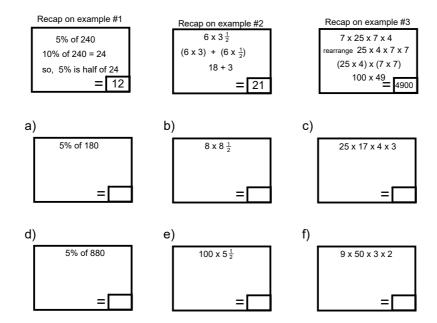
I) Show your work on each mental math strategy

Sample strategies

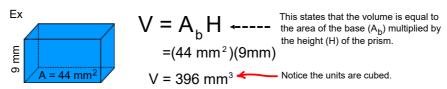
5% of 240 One way to find 5% of a number is to first think of 10% of the same number (move the decimal once leftward or make the number ten times smaller) Ex: 10% of 240 is 24, so 5% of 240 is half of this or 12.

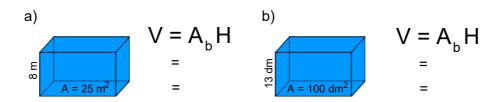
6 x $3\frac{1}{2}$ If we recognize that $3\frac{1}{2}$ is really $3+\frac{1}{2}$, then we can separate it. 6 x 3 = 18 and 6 x $\frac{1}{2}$ = 3, so 18 + 3 = 21.

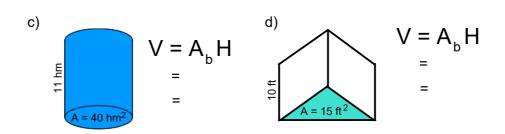
7 x 25 x 7 X 4 Here, we should look for compatible sets of numbers. If the question is only multiplication, the order does not matter. Notice that 25 x 4 = 100 and 7 x 7 = 49, so 100 x 49 = 4900.



II) Given the area of each base, find the volume, remember volume units are cubed.







^{**} Subsequent / future volume questions may not have the area of the base given **

III) Show your work in solving the following word problems

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What is the better buy for apples?

Option A 5 kg for \$2.85

OR

Option B 7 kg for \$3.85

Do find the answer, we have to calculate the cost of 1 apple for each option:

If 5 kg costs \$2.85, then we can divide 2.85 by 5, getting 0.57, so in Option A each apple is \$0.57

If 7 kg costs \$3.85, then we can divide 3.85 by 7, getting 0.55, so in Option B each apple is \$0.55

So, the better buy for apples is Option B

a)	What is	s the	better	buy 1	for	banana	ıs ?

Option A 4 kg for \$3.44 OR

Option B 11 kg for \$8.91

b) What is the better buy for chips?

Option A 3 bags for \$8.43

OR

Option B 5 bags for \$13.55

IV) Plot the following points on the Cartesian plane, the first three are done for you (remember to plot horizontally first, then vertically)

A(2,5), B(-1,3), C(7,-6), D(-9,2), E(10,10), F(-1,10), G(7,0), H(0,-2), I(-8,-5)

