TEKART LEARNING

P. 6 MATHEMATICS WEEKEND HOMEWORK TERM III, WEEK FOUR

NAME: _____

STREAM: _____

SECTION A

1. Write in figures. One Hundred One.

2. The time is 11:30a.m. What time will it be after 10 hours on a twenty-four hour c

.lock**?**

3. Find the greatest common factor (GCF) of 12 and 18.

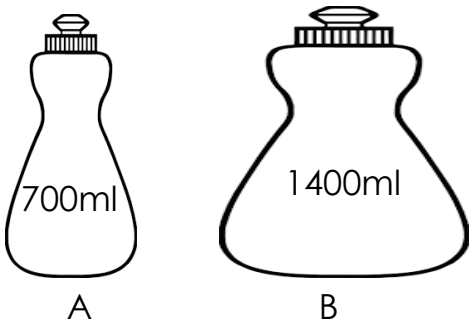
14. If a = -3, b = 6 and c = -2, find the value of $\frac{b(a+c)}{c}$.

15. Given that X = {prime numbers less than 7} and Y = {multiples of 2 less than 7}. Find n(XUY)

6. What number has been expanded below**?**

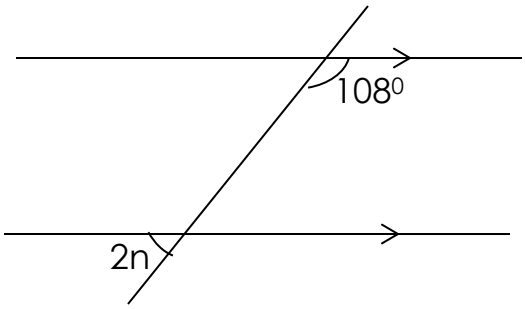
20,000 + 600 + 8

7. The figures below represent two containers of different capacities as shown.



How many containers of A can be obtained from container of type B**?**

8. In the figure below, find the value of n in degrees.



9. A radio uses batteries of 1.5 volts. In order for the radio to work, it requires 12 volts. How many such batteries will the radio require**?**

10. Simplify; $\frac{0.48 \times 0.2}{0.16}$

SECTION B

11. A trader has various amounts of money in the following currencies.

200 United States dollars (US$)

100 Kenya Shillings (K. Shs)

500,000 Uganda shillings (Ug. Shs)

Given that the existing exchange rates are;

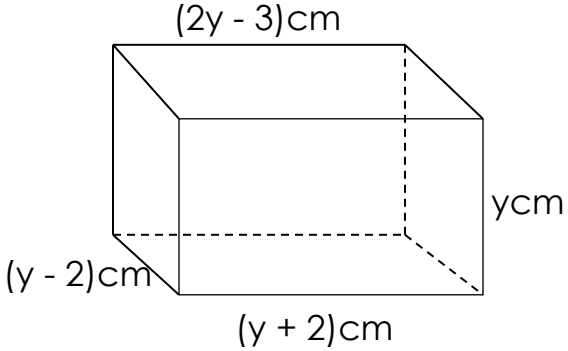
US $ 1 = Ug. Shs. 2,850

K. Shs. 1 = Ug. Shs. 30

(a) Find the total amount of money in Uganda shillings the trader has.

(b) If a watch costs K. Shs. 1,900, find how many US dollars the trader would pay for the watch.

12. The figure below is a cuboid. Study and use it to answer questions that follow.



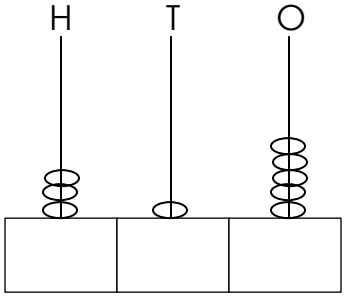
(a) Find the value of y.

(b) Find the volume of the cuboid.

13(a) Simplify; $\frac{0.12 \times 5.4}{0.03 \times 0.6}$

(b) Express the recurring decimal 0.5454…… as a common fraction in its simplest form.

14(a) Write the number shown on the abacus in words.



(b) Round off the number above to the nearest tens.

(c) Find the product of the value of the digits in the place value of hundreds and ones.

15(a) Find the unknown base.

$23_k = 15_{ten}$.

(b) Write 102_{three} in words.

(c) Subtract;

$$\begin{array}{r} 4\ 0\ 0\ 2_{five} \\ -\ 3\ 2\ 1_{five} \\ \hline \\ \hline \end{array}$$

16. The table below shows the marks scored by P. 6 pupils in a mathematics test.

Marks	60	30	40	80	90
No. of pupils	2	1	2	3	2

(a) How many pupils did the test**?**

(b) What is the modal mark**?**

(c) Calculate the mean mark.