

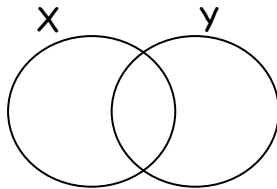
**MATHEMATICS HOLIDAY WORK SET SIX**

Name: \_\_\_\_\_ Stream \_\_\_\_\_

**SECTION A**

1. Work out:  $20 \div 2$

2. Shade X - Y



3. Simplify:  $-7 - -4$

4. Write 6060202 in words

5. Subtract:   Hr   Min  
                  4    20

$$\begin{array}{r} - 1 \quad 50 \\ \hline \end{array}$$

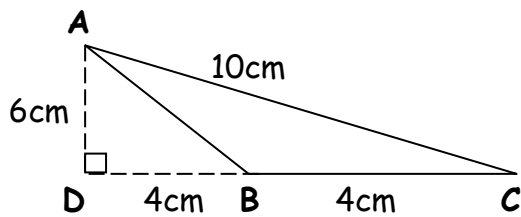
6. Add:  $231_{\text{five}}$   
 $+ 22_{\text{five}}$

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7. Find the next number in the sequence.  
5, 6, 8, 11, 15, \_\_\_\_\_

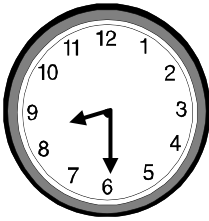
8. A driver covered  $\frac{1}{3}$  of his journey of 72km. What distance wasn't covered?

9. Find the area of triangle ABC.



10. Using a protractor, draw an angle of  $60^\circ$ .

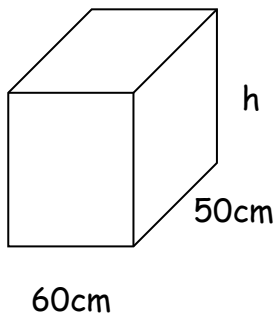
11. What morning time is shown on the clock face?



12. Musoke sold a fridge at Sh. 850,000 making a loss of sh. 115,500. What was the buying price of the fridge?

13. Work out:  $\frac{1}{2} + \frac{1}{3}$

14. The volume of a box is  $120000\text{cm}^3$ . Find its height(h).



15. Solve:  $y + 2y + 3y = 48$

16. How many lines of symmetry does a rectangle given below have?



17. A cyclist rode for 4 hours at a speed of 65km per hour. Find the distance he travelled.

18. Work out:  $3 + 4 = \underline{\hspace{2cm}}$  (finite 5)

19. Find the value of  $\frac{3q + 6p}{r}$  If  $p = 2$ ,  $q = 4$  and  $r = 3$

20. A pupil scored the following marks in Mathematics tests; 45, 70, 29, 64, 39, 51, 72. Find the median mark.

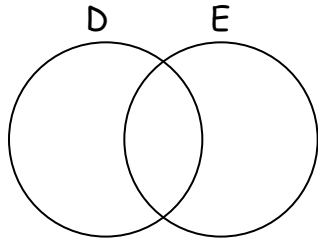
**SECTION B**

21. (a) Find the number that has been expanded to give;  
 $(8 \times 10^4) + (3 \times 10^2) + (5 \times 10^0)$  (2 marks)
- (b) Show 4203 on the abacus. (2 marks)
- (c) Kato's grandfather is 99 years old. Express her age in Roman numerals. (2 marks)
22. Musinguzi went shopping and bought the following items; What was his total expenditure? (5 marks)
- 3kg of maize flour at sh. 1800 a kg.
  - $1 \frac{1}{2}$  kg of rice at sh. 2400 a kg.
  - 500 gm of salt at sh. 1000 for every 1 kg.
  - 4 bars of soap at sh. 5500

23. If  $D = \{1, 2, 3, 4, 5, 6\}$  and  $E = \{1, 4, 9, 16, 25\}$

(a) Represent the above information on the venn diagram.

(3 marks)



(b) Find:  $D \cap E$

(1 mark)

(c) Find  $D'$

(1 mark)

(d) Find  $n(D \cup E)$

(1 mark)

24. Work out: (a)  $\frac{1}{2}$  of 36 +  $\frac{3}{4}$  of 16

(3 marks)

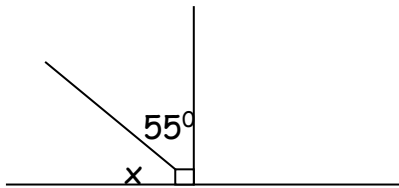
(b) Fill in the missing number.

(2 mark)

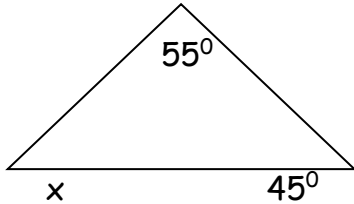
$$\frac{3}{5} = \frac{12}{\square}$$

25. (a) Find the unknown angle  
(i)

(2 marks each)



- (ii)



- (b) Wasswa took anticlockwise direction from East to point West. Through what angle has he turned? (2 marks)

26. Katumba scored the following marks in Maths weekly tests; 80, 70, 68, 70 and 62  
Calculate Katumba's

- (a) mean mark

(2 marks)

(b) modal mark

(1 mark)

(c) range

(2 marks)

27. (a) Solve:  $\frac{3a}{5} = 9$

(2 marks)

(b) Solve:  $2P^2 = 72$

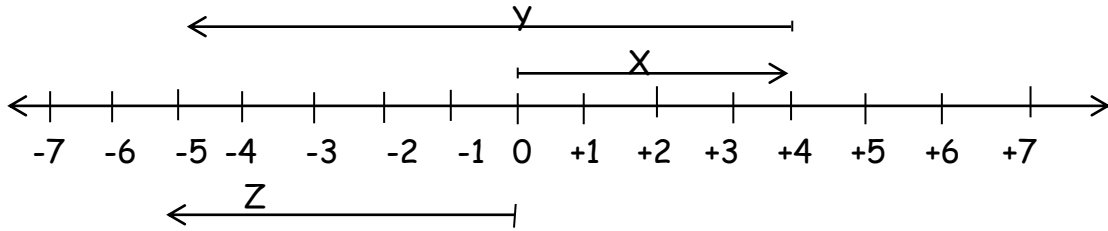
(2 marks)

(c) Barbra received 5y books from her mother, father gave her 3y books and she bought 4 books. Altogether she had 36 books. Find the number of books father gave her.

(2 marks)



28. Study the number line below and answer the questions that follow.



(a) Identify the integers represented by the arrows; (1 mark each)

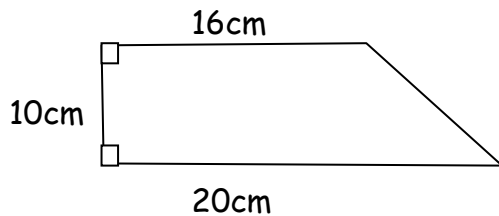
(i) X \_\_\_\_\_ (ii) Y \_\_\_\_\_ (iii) Z \_\_\_\_\_

(b) Write down the mathematical statement shown on the above number line. (1 mark)

29. (a) Add:  $0.25 + 2.5 + 25$  (2 marks)

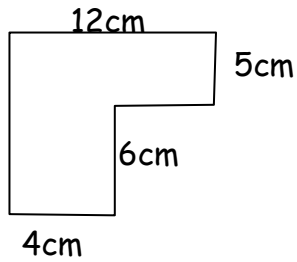
(b) Subtract:  $58.4 - 2.34$  (2 marks)

30. (a) Find area of the figure below. (2 marks)





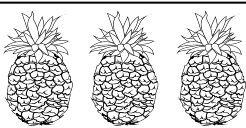
(b) Find the perimeter of the figure below.

2 marks)



31. Using a ruler, a pencil and a pair of compasses only, construct an equilateral triangle of radius 4cm. (4 marks)


32. The pictograph below shows different fruits collected by 3 pupils for Mathematics lesson. Study it and answer the questions that follow.

Sarah	
Yunus	
Abdu	

**Scale**

 represents 2 apples.

 represents 6 bananas

 represents 3 pineapples

- (a) How many apples did Sarah bring?

(1 mark)

(b) Who brought more fruits?

(2 marks)

(c) Find the total number of fruits brought.

(2 marks)

***Good Luck to you all and take great care please!***