# Mathematics

## Topical Breakdown

# 1

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# TERM I
## TOPICAL TEST ONE
**1. Count and write**

a.

=  ...............

................

b.

=
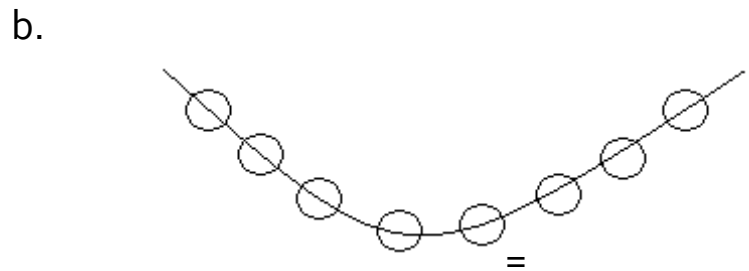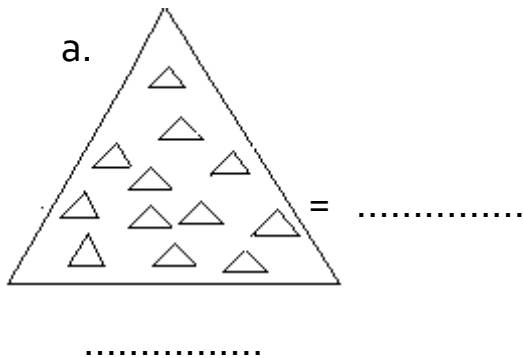
**2. Which number comes just after ?**

a.  8, ...................    b.  34,  ......................

**3. Fill in the missing numbers.**

a.

| 16 |
| 17 |
| __ |
| 19 |
| __ |

b.

23 ___ 25 26 ___

**4. Read and draw**

| | |
|---|---|
| | |
| four girls | eight flowers |

5. **Arrange numbers starting from the biggest to smallest.**

a. 6, 3, 2, 7. ...............................................................

b. 23, 17, 30 .............................................................

6. **Write the number names.**

a. 7 = ...........................          b. 3 = ....................

c. 12 = ........................          d. 22 = ....................

e. 40 = .........................

7. **Tick the smallest number.**

a. 9, 2, 7          b. 13, 33, 3

8. **Which number comes just before?**

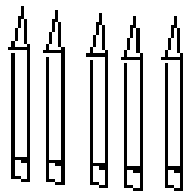a. 5, ....................          b. 14, ..................

9. **Circle the bigger number.**

a. 15 and 5          b. 14 and 44

10. **Match correctly.**
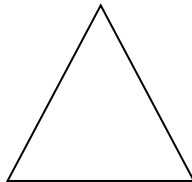
8

6

5

## TOPICAL TEST TWO

1. **Name the sets**.

a.

_____
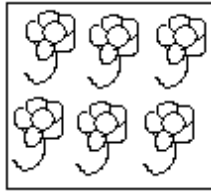
b.

_____
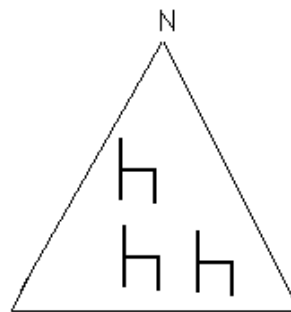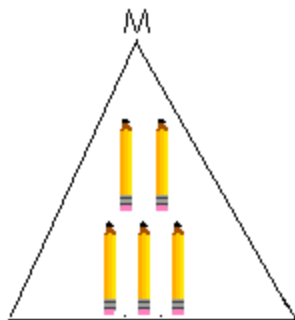
c.

_____

2. **Compare these sets**.

M

N

a.   Set  N  has _____ members.
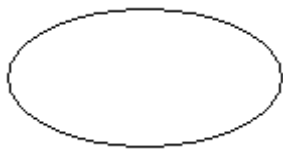
b.   Set M  has _____ members.

c.   How many members are in both sets?

_____

d.   Which set has more members?
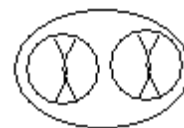
_____

3.   **Draw these sets.**

a.   A set of 4 apples.

b.   A set of 1 table.

4.   **Match the sets correctly.**
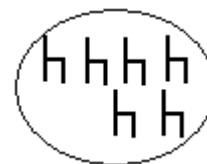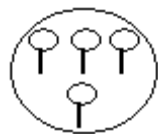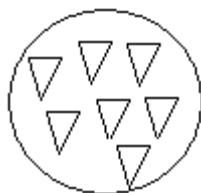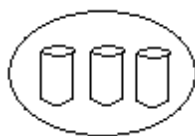
5.   **Join these sets.**
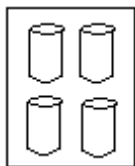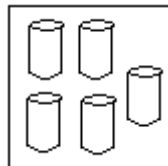
a.   and   make

b.   plus   =
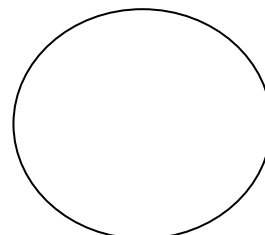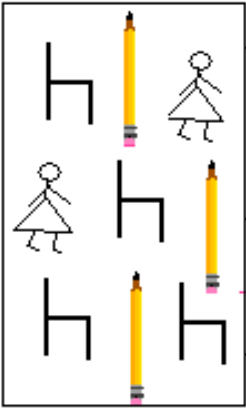
c.  = 

## 6. Form new sets from a big set.



_____

_____

_____

## 7. Use these words to fill in the gaps correctly.

elements        sets        empty set.

a.    A collection of things is a  _____

b.    A set without members is an  _____

c.    Things found in a set are  _____

## 8. Use more or less.
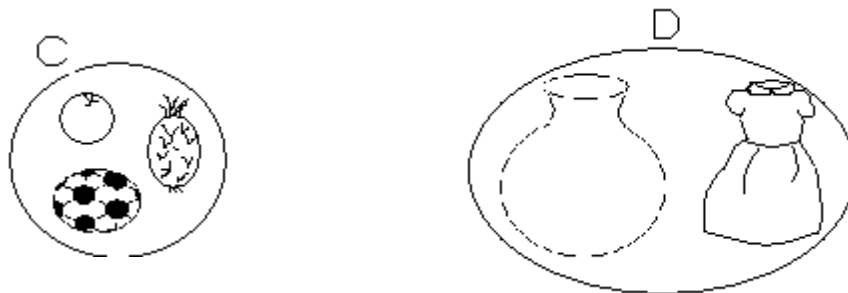


a.    Set  D  has  _____members.

b.    Set  C  has  _____members.

## TOPICAL TEST THREE

1.  **Add numbers correctly**.

a.    6 + 2 = _____        b. 1 + 3 = _____

c.    12 + 4 = _____        d. 5 + 2 + 3 = _____

e.    8 + 0 + 1 = _____

f.    4            g.    5          h.      0

   + 4               1              5

   _____          + 2            + 7

                    _____          _____

2a.    6 eggs + 4 eggs equals _____

b.      Six chairs plus one chair equals _____

c.      Sarah has 14 books. Mary has 5 books.

   They both have _____books altogether.

3.    **Add using a number line**.

a.      5 + 3 = _____
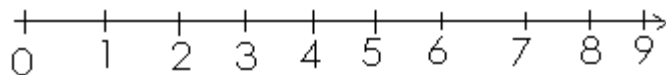


b.    6 + 0 = _____
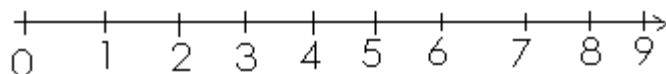
4.  **Subtract / take away.**
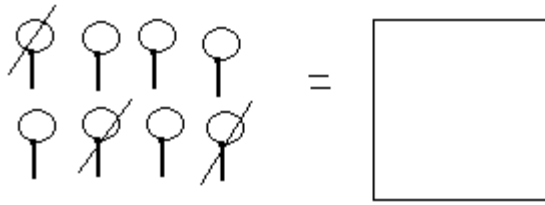
 = [ ]

b.
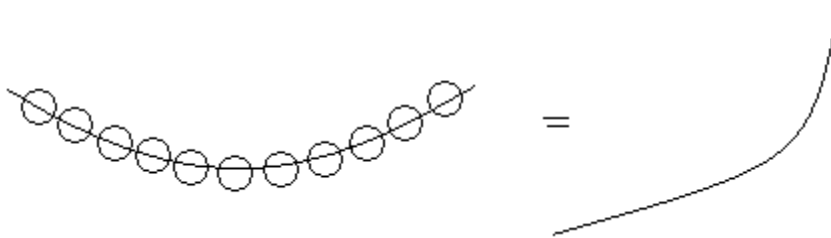
 = 

c.    7 - 3 = _____          b.   8 - 0 = _____

d.   9 - 6 = _____          e.   13 - 7 = _____

g.      5          4          1 2          1 5

      - 2        - 0        - 6          - 8

      ____       ____       _____        ____


5a.   3 birds   -  1 bird  = _____birds.


b.    Nine tables minus three tables equals _____

c.    Peter had seven bananas. He ate two bananas.

      How many bananas did he remain with?

# TOPICAL TEST FOUR

1. **Complete the abacus**.

a.  = ☐

b.  = 35
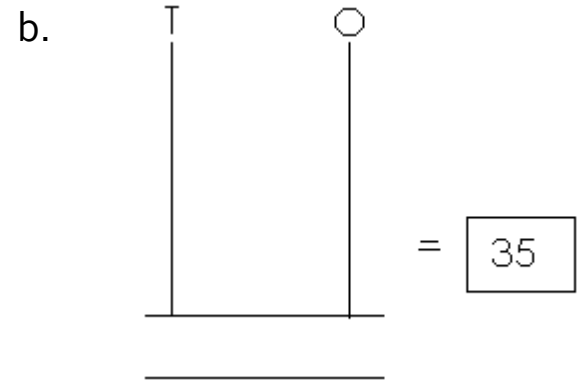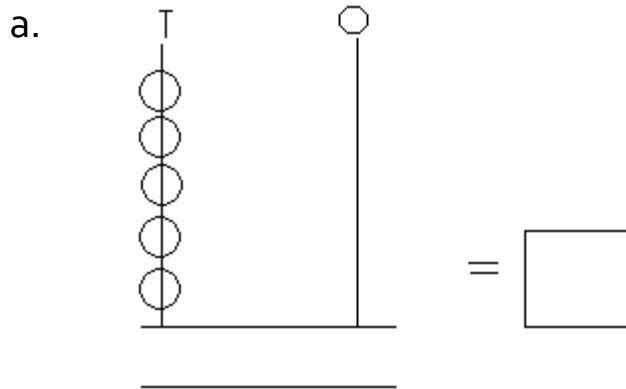
2. Draw sticks to show tens and ones.

a. 24  _____

b. 18  _____

c. 7  _____

3. **Add tens and ones**

a.

| T | O |   | T | O |   | T | O |
|---|---|---|---|---|---|---|---|
| 3 | 4 |   | 4 | 0 |   | 5 | 0 |
| + | 2 |   | + 1 | 5 |   | + 2 | 0 |
| _____ |   |   | _____ |   |   | _____ |   |

4. **Write tens and ones.**

a.  = _____tens _____ones.

b.  = _____tens _____ones.

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5. There are four boys and thirteen girls in a class.

How many children are there altogether?

_____

b. Teacher put 12 books on the table and 23 books in the box. How many books did she put there altogether?

_____

c. Mr. Kato has 20 goats and 30 cows. How many animals does he have altogether?

_____

6. **Fill in tens and ones.**

a. 38 = _____tens _____ones.

b. 4 = _____tens _____ones.

c. _____ = 1 tens 9 ones.

7. **Subtract / take away.**

a.
```
 T    O          T    O          T    O

 1    8          2    4          4    0

 -    3         - 1    0        - 2    0
_____         _____        _____
```

8. **Expand these numbers.**

a. 50 = _____ + _____

b. 6 = _____ + _____

c.     _____ = 20 + 4

9a.    Five minus two equals _____

b.     A farmer had 16 cows. He sold 7 cows.

       How many cows remained?

       _____

c.     John had 14 cakes. He gave away 8 cakes to Peter.

       How many cakes did he remain with?

       _____

1.    How many triangles can you see?

a)                                                    (b)
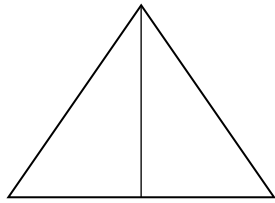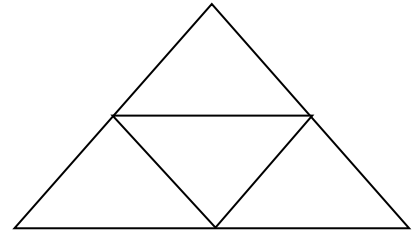
      = ...............triangles              = ...........triangles

2.    **Match correctly**

                                                        Triangl
                                                        e
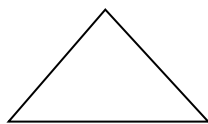

                                                        Circle
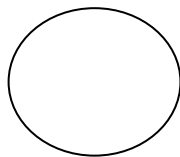

                                                        Rectan
                                                        gle

3.    **Draw these shapes**

| | | |
|---|---|---|
| Oval | Kite | Star |

4. Name the shapes

a    ..........................

b    ..........................

c    ..........................

a

b
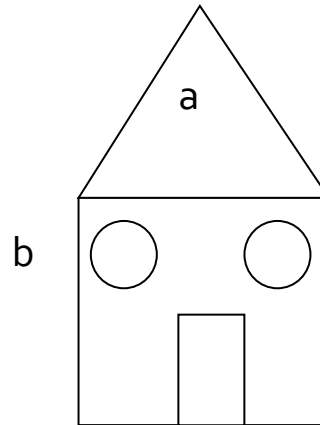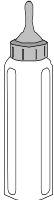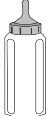
1. **Compare length using longer, shorter or taller**

a)    A        B      Bottle A is ...................than bottle B

Bottle B is .......................than bottle A

b)                    Tree C is ...........................than tree D.

Tree D is .........................than tree C.

D        C

2. **Add correctly**

a)    5 metres+  4metres = _____metres

b)         7 metres                    c)         2    5metres

+      9 metres                             +      2    4metres

_____                        _____

d) A tailor had 4 metres of black cloth, 5 metres of blue cloth, 7metres of red cloth.

How many metres did he have altogether?

## 3. Subtract/ takeaway

a) 6 metres - 3 metres = ............metres

b)     9 metres           c)   7      6metres

-     9 metres               -       4 metres

_____           _____

d) A shopkeeper had 14 metres of cloth. He sold 7 metres.

How many metres did he remain with?

## 4. Tell the distance



7 metres                    5 metres

10 metres
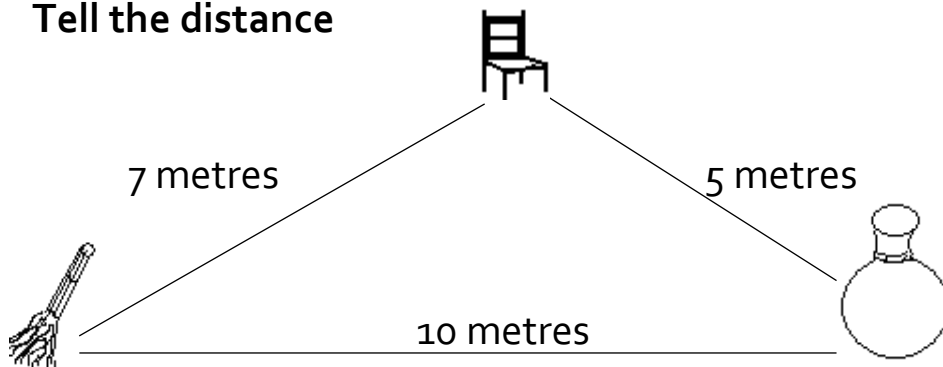
a) How far is it from the broom to the chair?

..................................................................

b) What is the longest distance?

..................................................................

c) Find the total distance around the pictures

## TOPICAL TEST TWO

1. **Fill in the missing numbers**

a) $1^{st}$ , $2^{nd}$, _____, $4^{th}$, $5^{th}$, _____, $7^{th}$ , $8^{th}$

2. **Write in words**

a) $2^{nd}$ .........................

b) $9^{th}$ ..........................

c) $15^{th}$ ...........................

d) $12^{th}$ ..............................

3. **Match correctly**

55                          one hundred

70                          ninety four

61                          seventy
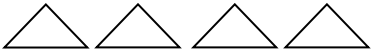
94                          sixty one

4. **Find the missing numbers**

a) 4 + 2 = ⬜        (b) ⬜ + 3 = 3

c) 2 + ⬜ = 9

5. **Group in twos**

a) △ △ △ △ = _____twos

b) ◯◯ ◯◯ ◯◯ = ____twos

c) ☼☼ ☼☼☼ ☼☼☼ ☼ ☼ ☼ = _____twos

6. **Multiply; (form groups to find the answer)**

a)    4  x  2 = _____

b)          9
     x      2
   _____

   _____

c)    One girl has 2 legs. How many legs do 4 girls have?

d)    Put 2 eggs on each plate. How many eggs are on 5 plates?

7.    **Divide / share equally**

a)    10 ÷ 2 =                    (b)    8 ÷ 2 =

c)    2 )‾14‾                 d)    2 )‾6‾

8.    Share 10 sweets equally between 2 boys.

      How many sweets does each boy get?

9.    Ten divide by two equals ....................

10.   Daddy shared 6 bananas equally between Derrick and Daniel.
      How many bananas did Derrick get?

TOPICAL TEST P.1 MATHEMATICS TERM II No. 2

TOPICAL TEST P.1 MATHEMATICS TERM II  No. 4

1. **Name the shaded fractions**

a)

= _____
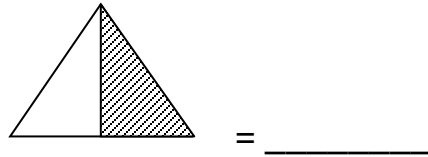
(b)

= ____
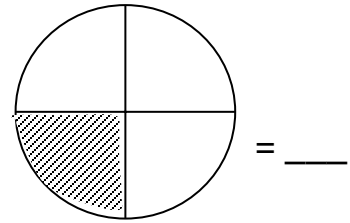
c)

= _____

_____
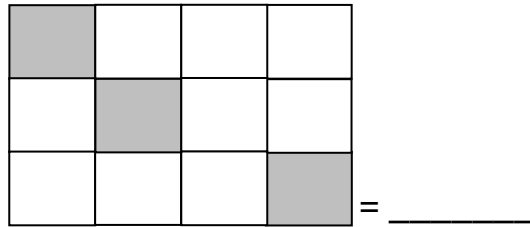
d)

=
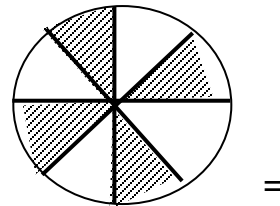
e)

= _____

2. **Shade the given fractions**

a) $\dfrac{2}{3}$
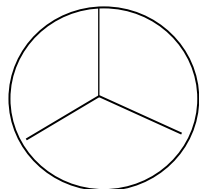
b) $\dfrac{4}{8}$

c) $\dfrac{1}{4}$

d) $\dfrac{5}{8}$
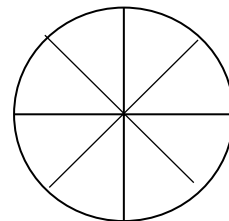
e) $\dfrac{1}{2}$
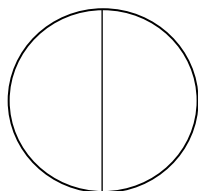
3. **Workout**

a) $\dfrac{1}{2} + \dfrac{1}{2} =$

(b) $\dfrac{7}{10} + \dfrac{1}{10} =$

c) $\dfrac{4}{12} + \dfrac{1}{12} =$

d) $\dfrac{3}{4} + \dfrac{1}{4} =$

e) $\dfrac{9}{20} - \dfrac{2}{20} =$

f) $\dfrac{6}{9} - \dfrac{4}{9} =$

g) $\dfrac{2}{3} - \dfrac{1}{3} =$

h) $\dfrac{7}{15} - \dfrac{3}{15} =$

4. **Write in words**

a) $\dfrac{1}{2} =$ ...........................

b) $\dfrac{1}{3} =$ .........................

c) $\dfrac{1}{4} =$ ...................

# TOPICAL TEST THREE

**1. Tell the time**

a) 
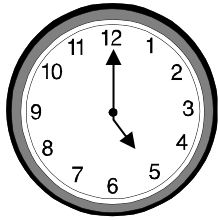
It is .................o'clock

b) 
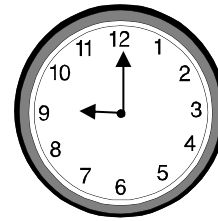
It is ...............o'clock

**2. Show the time**

a) 
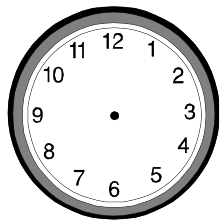
It is 6 o'clock

b) 
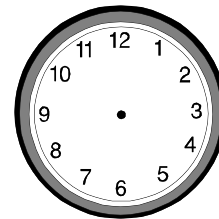
It is 12 o'clock

**3. Add correctly**

a) 5 hours + 5 hours = .............hours

b)

```
      7 hours
+     4 hours
_____
```

c)

```
      4   2 hours
+     1   5 hours
_____
```

**4. Fill in the missing days of the week**

Sunday, _____, Tuesday, _____,

_____, Friday, Saturday

5. On which day do of the week do Muslims go for Jumah

prayers? ................................

6. On which day of the week do The Seventh Day Adventists go

for prayers? ...........................................

7. On which day do Christians go for prayers?

...............................................

## 8. Subtract/ takeaway

a) 10 hours - 2 hours = _____hours

b)

```
    3 hours
-   0 hours
_____
```

c)

```
    2   7hours
-   1   7hours
_____
```

## 9. Match correctly

| | |
|---|---|
| 7 days | 1 day |
| 12 months | 1 year |
| 60 minutes | 1 week |
| 24 hours | 1 hour |

10.  **Complete the table below**

| 29 days | 30 days | 31 days |
|---|---|---|
| _____ | April<br><br>_____<br><br>September<br><br>November | January<br><br>_____<br><br>May<br><br>July<br><br>August<br><br>_____<br><br>December |

# TOPICAL TEST FOUR

1.  **Study the graph and answer the questions about it**

| Justine | Wilber | Janella | Crystal |
|---------|--------|---------|---------|
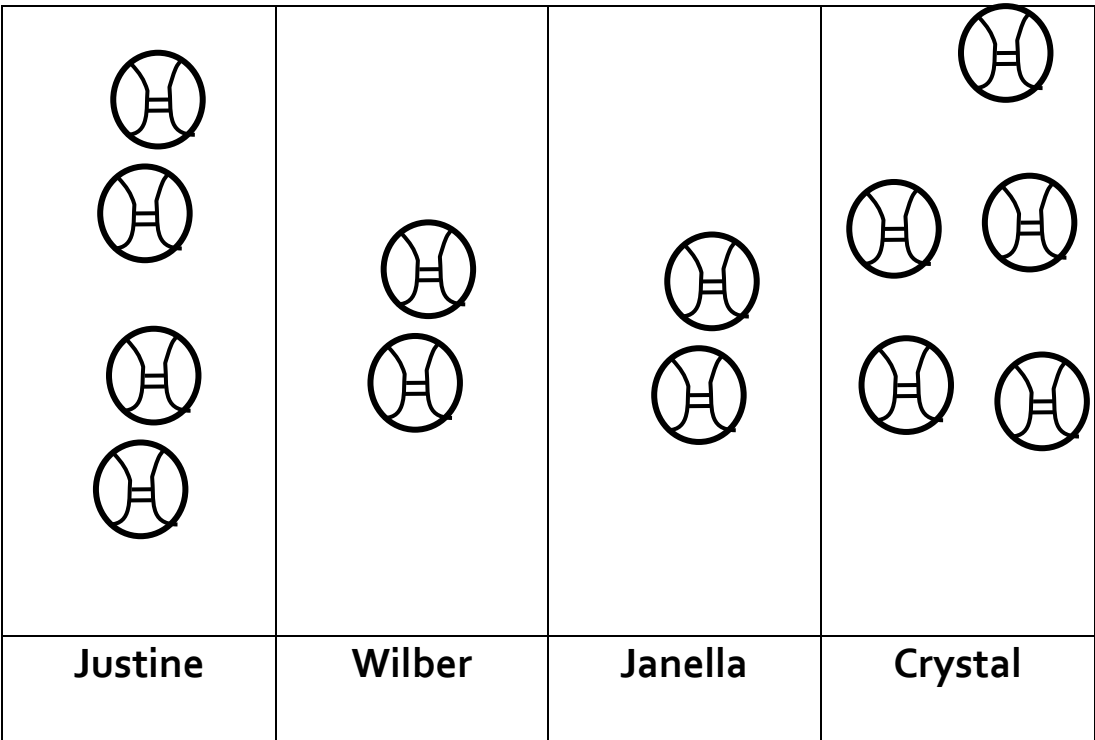
a)  Who has more balls?

    ................................................................................

b)  How many balls has Justine?

    ................................................................................

c)  Who has the least number of balls?

    ................................................................................

d)  Who have the same number of balls?

    ................................and ............................

e)  How many balls are there altogether?

**2.** **Use the numberline to answer the questions below**

a)     5  + 2 = _____

$$\text{0 1 2 3 4 5 6 7 8 9 10}$$

b)     3  + 4  = _____

$$\text{0 1 2 3 4 5 6 7 8 9 10}$$

c)     6  +  0 = _____

$$\text{0 1 2 3 4 5 6 7 8 9 10}$$

d)     4  - 2  = _____

$$\text{0 1 2 3 4 5 6 7 8 9 10}$$

e)     7  - 3  = _____

$$\text{0 1 2 3 4 5 6 7 8 9 10}$$

f)     5  - 1  = _____

$$\text{0 1 2 3 4 5 6 7 8 9 1}$$

# TERM III
## TOPICAL TEST ONE

1.  **Add correctly**

(a)  2L + 5L = _____ L         (b)  10L + 7L + 2L = _____ L

(c )   3L                    (d)   1  2L                        (e)  3   0L

    1L                         +   7L                        +2   6L

   +6L                    _____                      _____

_____

2. **Read and work out**

(a) Four litres plus five litres equals _____

(b) Dan has 12 litres of milk. Suzan has 13 litres of milk. How many litres do they have altogether?

_____

_

(c) There are 50 litres of water in tank A and 30 litres in tank B. How many litres are in both tanks?

_____

3. Compare using holds more, holds less.

  A cup and a jerrycan

    (a)    A cup_____

    (b)    A jerrycan_____

(b)**Which container holds more or less**?

           pot         tin   (a)  A_____ holds more water.

                                  (b)  A_____ holds less

water.

4. **Subtract / take way**

(a)        8L - 3L = _____ L     (b) 9L – 5L = _____L

(c)        1   0 L                    (d)  4   5L

    -     6 L                            - 2   0L

        _____                        _____

(e)    Mummy boiled 12 litres of milk. She served 6 litres to the visitors. How many litres were not served?

_____

(f)    A trader had 60 litres of oil. He sold 30 litres. How many litres did he remain with?

_____

_

(g)    What is 16 litres take away 10 litres?

_____

__

(h)    Ten minus zero gives _____

**Draw these containers we use to hold liquids.**

| | | |
|---|---|---|
| | | |
| pot | bucket | kettle |

(a)    How many mugs of 1 litre fill a basin of 5 litres?

_____

(b)    How many bottles of ½ litre fill a pot of 2 litres?

## TOPICAL TEST TWO

1. **Add**

   (a)  Shs. 100 + Shs. 100 =_____        (b) Shs.  50

                                                     + Shs   50
                                                     _____

   (c)  Shs . 300                    (d)      Shs. 200

       +Shs .200                              + Shs.   50
       _____                           _____

1. **Match words with figures correctly**.

   Shs. 200                    Five hundred shillings.

   Shs. 50                     One hundred shillings.

   Shs . 100                       Fifty shillings.

   Shs. 500                        Two hundred shillings.

2. (a) How many coins of shs. 50 make shs. 100?

   (b)  How many coins of shs. 100 make shs. 500?

   (c)  Shs. 300 = Shs. _____ + Shs. _____ + Shs_____

   (d)  Shs. 200 = Shs._____ + Shs_____

3. **Subtract / take away**

(a) Shs. 200          (b) Shs. 350

‑Shs. 100              ‑Shs.  50

_____          _____

€ Shs.  4 5 0      (d) Shs. 7 0 0

 - Shs.  2 0 0        ‑Shs. 5 0 0

_____      _____

4. **Read and work out correctly**.

(a) Joy had shs. 300. Molly had shs. 400.

How much money do they have altogether?

_____

(b) Tom had shs. 200. Mummy gave him more shs. 100.

How much money did he have altogether?

_____

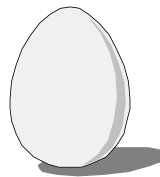(c) Kato had shs. 600. He used shs. 400. How much did he remain

with?

_____

(d) You have shs. 500. You have spent shs. 200. How much is left?

_____

5. Study the price list and answer the questions below.

paw paw                An egg                An apple
Shs. 600               Shs. 200              Shs. 500

(a) How much will you pay for an apple?


(b) What is the most expensive item?

(c)    What is the cheapest item?




(d)    How much will you pay for a pawpaw?




(e)    Find the total cost of an egg and an appl

## P.1 NUMBERS TOPICAL QUESTIONS TERM III   No 3

1.  **Multiply**

(a)    2 X 3 =_____    (b) 4x3=_____

€   2   2                    (d)  1   0

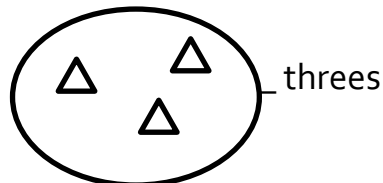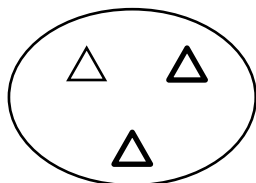     X   3                         X 3

     _____                    _____

€      Seven times three equals _____

(f)    Put 3 eggs on each plate. How many eggs are there on 5 plates?

_____

2.  **Form groups of threes**.

(a)    ⚪⚫ ⚪⚫ ⚪⚫⚪⚪⚫⚫⚪ ____ threes

(b)



____ threes

3. <u>What pairs of numbers add up to 6?</u>

   (a) _____ + _____ = 6

   (b) _____ + _____ = 6

4. <u>Add correctly</u>

   (a)    1    2 eggs          (b)  3   6 pencils
          +    8 egss                +   8 pencils
          _____             _____

   € 2     7 books            (d)  4   4 cakes

      +1    5 books               +1    6cakes

      _____          _____

€     Peter had 26 hens. John had 9 hens. How many hens did they   have altogether?

(f)   Mummy bought 15 kilograms of suger. Daddy bought 18 kilograms of sugar. How many kilograms did they buy altogether?

(g)   Find the total of 5, 2 and 7, _____

(h) What is the sum of eight and two?

5. Divide / share equally.

(a)    6  ÷  3 = _____        (b) 12 ÷  3 = _____

(c) 3 $\overline{)9}$              (d) 3 21        $\overline{\phantom{xx}}$

(e) Share fifteen cakes equally among three girls. How many cakes did each girl get?

(e)    Nine divide by three equals_____

(g) Mummy had 18 sweets. She shared them equally among 3 boys. How many sweets did each boy get?

# MARKING GUIDES

## P.1 TOPICAL QUESTIONS MARKING GUIDE TERM III  No 1

1.(a) 14kg      (b) 17kg   (c) 56kg  (d) 57kg

2. Sugar , rice, beans, salt, peas, meat, bread, Omo etc.

3(a) Musa  (b) Tom  (c) Musa

4(a) 5kg  (b) 6kg  (c) 2kg  (d) 24kg  (e) 30kg

5(a) heavier     (b) lighter

 (a) heavier     (b) lighter

6(a) Fourteen  (14) kilograms

 (b) 35kg

 (c) 77kg

 (d) 4kg

 (e) 8kg

 (f)  33kg

4(a) 5kg  (b) 6kg  (c) 2kg  (d) 24kg  (e) 30kg

5(a) heavier     (b) lighter

 (a) heavier     (b) lighter

6(a) Fourteen  (14) kilograms

 (b) 35kg

 (c) 77kg

 (d) 4kg

 (e) 8kg

 (f)  33kg

## P.1 TOPICAL QUESTIONS MARKING GUIDE TERM III  No 3

1(a) Sh . 200          (b) Sh. 100   (c) Shs. 500  (d) Shs. 250

2. Match correctly

    Shs. 100

    Shs. 200

    Shs . 500

    Shs. 50

3. Two coins

(b) Five coins

(c)Shs. 300 = sh. 100 + sh. 100 + sh. 100

(d) sh. 200 =  sh. 100 + sh. 100

4. sh. 100          (b) sh. 300   (c) sh. 250   (d) sh. 200

5. sh. 700          (b) sh. 300   (c) sh. 200   (d) sh. 300

6.Sh. 500          (b) A pawpaw   (c) An egg   (d) sh. 600 (e) sh. 700

## P.1 TOPICAL QUESTIONS MARKING GUIDE TERM III  No 4

1. (a)  6    (b)   12   (c) 66   (d)  30  (e) 21   (f) 15 eggs

2(a) 3    (b) 2

3. (a) 3  + 3 ,  6+0,  5+ 1,  2+4

(b)     0 + 6,  1+ 5 ,  4+2

4. (a) 20eggs   (b)  44 pencils    (c) 42 books   (d) 60 cakes

(e) 35hens     (g)  33 kilograms     (h) 10

5(a)  2   (b) 4   (c)  3  (d) 7   (e) 5 cakes  (f) 3  (g) 6 sweets