MATHEMATICS

HOLIDAY PACKAGE SET TWO

PRIMARY THREE 2020

Name----------

1. **Sets is an interesting topic that we learn right from P.1. As a primary three learner, do u still remember the meaning of a set you defined in primary one ?----------**
   for now in primary three we can define a set as a collection of well defined things , objects or materials. Now we also see that we have new vocabulary that we add on our topic of sets in p.3 as equal sets, not equal sets, equivalent sets and non equivalent sets. But not forgetting our p.1 and p.2 simple terms that we looked at as empty sets. Do u remember what empty sets are? ----------
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   An example of an empty set is a set of goats learning mathematics. This does not exist and that why it is an empty set.

Using the definition and the example given above, mention any eight examples of empty sets.

i) ----------

ii) ----------

iii) ----------

iv) ----------

v) ----------

vi) ----------

vii) ----------

2. Let's look at our vocabulary that we had learnt.

a) Equal sets; these are sets that have the same number of members and of the same type.

1. M = { 1, 2, 4}

N = {2, 4, 1}

Set M is equal to set N

Set M = set N

2. K = { o, a, b, c}

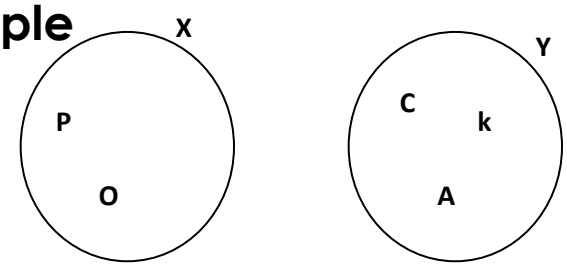
Q= {c, b, a, o}

Set K is equal to set Q

And the mathematical symbol we use for equal sets is (=)

b). Not equal or unequal sets; are sets which do not have the same number of members and they are not of the same type.

Example



Set X is not equal to set Y

Do u still remember the symbol for not equal sets?

Draw it correctly ----------

Now try these numbers.

Use equal or not equal

i). Set M :{ a, e, I, o, u}

Set N: {c, b, a, o}

Set M is ----------to set N.

ii).set A :{ 1, 2, 3, 4}

Set B :{ 3, 1, 4, 2}

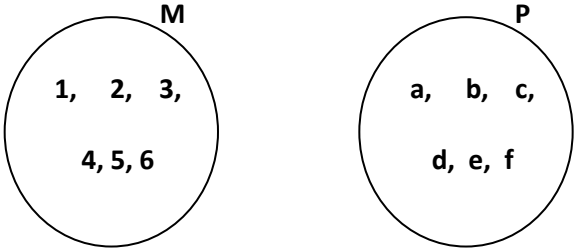
Set B is ---------- to set B.

With your friends and relatives u can form more sets and compare them using the words equal or not equal

c) Let's look at another vocabulary which is Equivalent sets: Equivalent sets are sets which have the same number of members but of different types.

The mathematical symbol for equivalent sets is (↔)

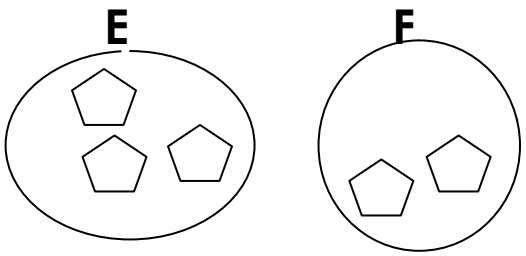
i) Example



Set M is equivalent to set P

Set M ↔ set P

d).Non equivalent sets ;These are sets which do not have the same number of members but they are of the same type. The symbol we looked at is----------



Set E is not equivalent to set F

Compare these sets using equivalent or non equivalent sets

i) set w: { e,g,y,d,a} set X: { 5,8,4,1,9}

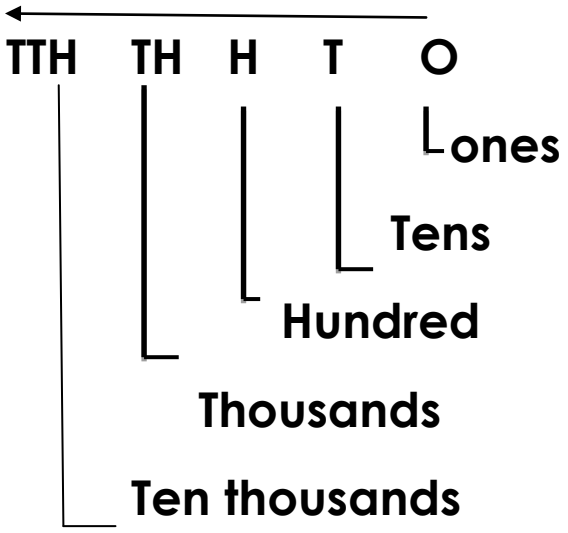
Set X is ----------to set W

ii). Set B: {Tin, cup, book, plant}

Set C: {tin ,plant , cup }

Set B is----------to set C.

3, Place values help us to read numbers in mathematics correctly. We read place values starting from the right to the left.



Use them to answer the questions that follow.

a). practice reading numbers

i) 23

ii) 564

iii) 3987

iv) 72074

b). Write the numbers above in words.

i)----------

ii) ----------

iii) ----------

iv) ----------

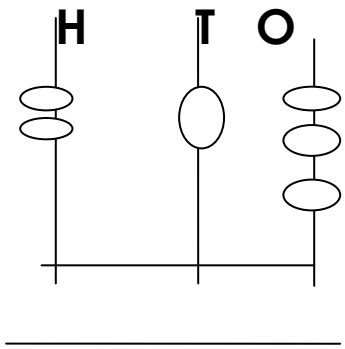
b). Using the numbers 72094 identify the place value of 2

c). what is the value of 5 in the number.58219

d. Expand the following numbers using values.	
i). 45=	ii) 394=

e) Represent the 534192 on the abacus.

f).which number has been represented on the abacus below.



Using the place value idea draw bundles of hundreds tens and ones for the numbers below.

45=

214=

22=

5. In mathematics we use symbols to simply the working of mathematics tasks, the symbols are, =, +,x,÷ . Using the symbols, work out the following questions correctly.

i)Add ; a) 34+11=	b)2325 +6156=

II) The vans of Kempton junior school carry 14 children every day. If there are 2 vans at the school. How many children will they carry every day? Practice addition to get the answer.

For more practice of addition use the daily life material at home and form numbers that you can add and get the correct sums.

ii) Subtract; a) 56-26 b) 8965-4231

The school farm of Kempton junior school produces 156 liters of milk every day. If 100 liters of milk are sold to the community .How many liters of milk remain at the school for the children to take?

Practice more subtraction of numbers with friends and find answers to them.

iii) Multiply correctly;

a) 56x2 =	**b) 44x22=**

b) If 1 cow has 4 legs. How many legs will 50 cows have altogether?

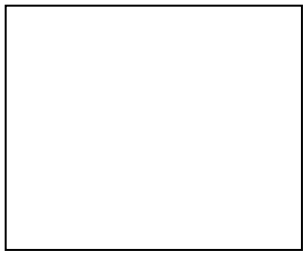
iv). Practice long division to solve the following.

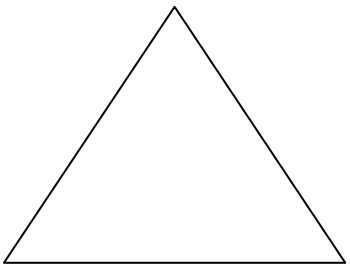
a)12÷6= **b) 336÷3=**

c) Share 10 cakes equally among 5 children.

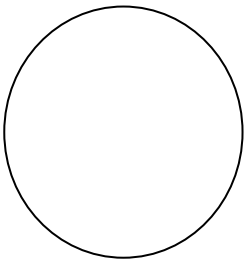
How many cakes will each child get?

6 Name the shapes below



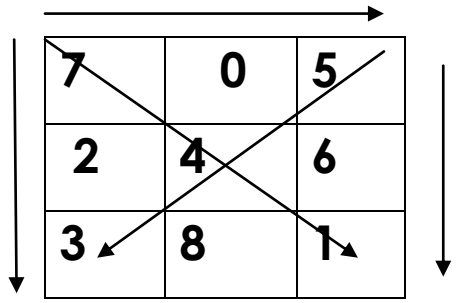






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6 Magic squares are used in mathematics to add numbers. The magic square has a rule where the sum must be the same in the vertical lines, horizontal lines and diagonal lines.



We see that when we add the numbers in the direction of the arrows in the box, we get answer twelve.

7+0+5=12 **3+4+5=12**

0+4+8 =12 **2+4+6=12**

Now try these.

Fill in the missing numbers.

1

8	1	6
A	5	b
4	c	d

2

7	a	5
2	4	c
b	8	1

3

2	9	a
7	b	3
6	C	d

7 a) Write the following numbers in roman numerals.

i) 54=

ii) 33=

iii) 91=

iv) 5=

d) If you have been able to write the above numbers in roman numerals correctly then convert back the roman numerals to Hindu Arabic numerals.

i) vi=

ii) xi=

iii) XC=

iv) L=

v) XLiX=

8 a) How many items are in a dozen?

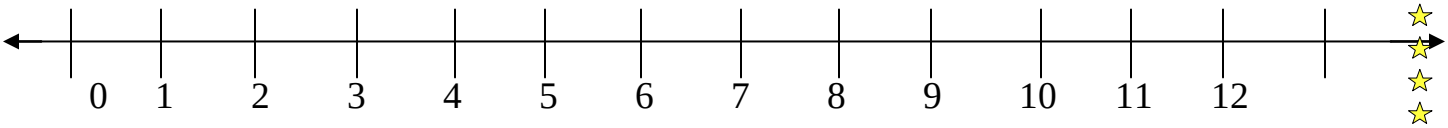
b) Arrange in descending order.

i) 30, 90, 10, 60, 20

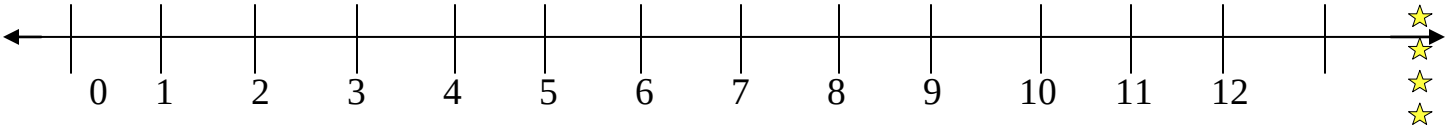
ii) 30, 33, 32, 34, 35

9 a) Subtract using the number line.

i) 10-5=_____

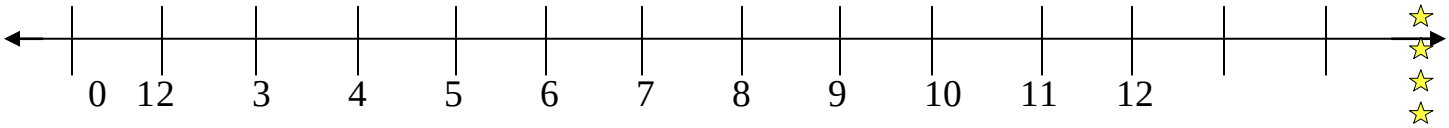


ii) 7-3=_____

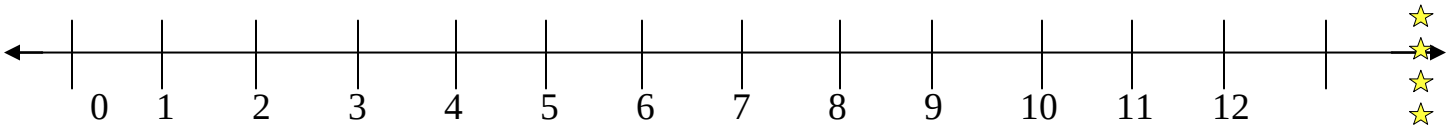


b) Add using a number line.

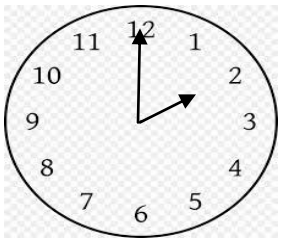
i) 6+4 =_____



Ii) 1+4=_____



10. Tell the time on the clock face



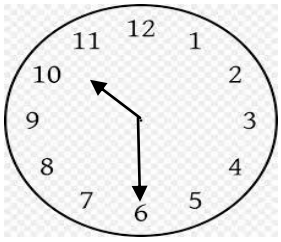
It is _____o'clock.

b) As a primary three student we are now going to tell time in hours and minutes.

When telling time we use the long (minute hand) to tell the minutes and the short hand to tell the hours. When the minute hand is pointing

at 6 we shall say that it is half past .But the hour hand is always in the middle of the hours.

Example



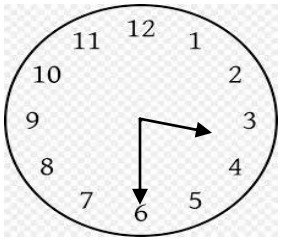
When telling time, we shall say

It is half past10 o'clock.

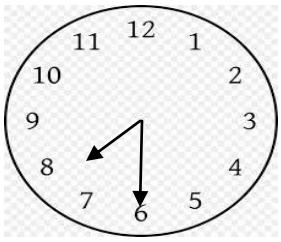
We see that the minute hand is pointing at 6 which shows that 30 minutes have past the hour of 10 hour and the hour hand is pointing between 10 o'clock and 11o'clock. Meaning that it is half way the hour of 10.

Now try these

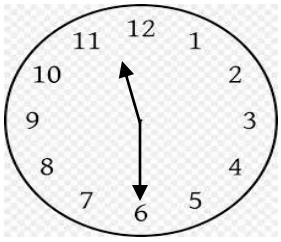
i) Tell the time on the clock face.



It is _____

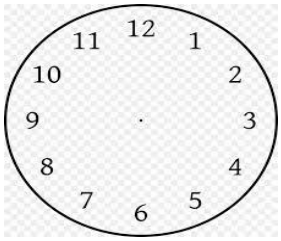


It is _____

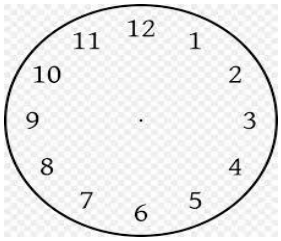


It is _____

ii) **Show the time on the clock face .**



It is half past 4 o'clock .



It is half past 8 o'clock.

GOOG LUCK STAY SAFE