

YOUNG WORLD LEARNING CENTRE
P.3 MATHEMATICS HOME LEARNING PACK-By Tr. Asuman

Message for Children

- As you are all aware, schools are closed for a good cause – to stop the spread of the Corona virus, which is making a lot of people around the world very sick and can spread when people get too close to each other
- However, during this period, children need to keep safe and continue learning at home – so their minds stay active and they can do well in class when schools reopen again - and parents and caregivers have a role to support this.
- This pack is based on what you were supposed to cover for term one. It also includes activities you can practice on your own. Please copy in your exercise book. For new topics, you can read on your own and ask for support from your parents/guardians or sibling for help. When schools open teachers will continue supporting you building on what you have learnt your self
- There also a number of lessons delivered on radio and TVs which relates to the information in this pack
- **Please remember to stay home, wash your hands always and stay safe and continue learning**

Operation on whole numbers

Addition of tens and ones vertically without carrying

$$\begin{array}{r} 1 \quad 1 \text{ add ones} = 1 + 2 = 3 \\ + 1 \quad 2 \quad \text{add tens} = 1 + 1 = 2 \\ \hline 2 \quad 3 \end{array}$$

Word problems

Ashabe had 32 mangoes, she picked 17 more mangoes. How many mangoes did she have altogether?

Solution

$$\begin{array}{r} 32 \text{ mangoes} \\ + 17 \text{ mangoes} \\ \hline 49 \end{array}$$

Evaluation :An exercise

Livelihood in our division

Soil

Addition with carrying (vertically)

e.g. $8 \quad 6 \quad 6 + 4 = 10$

$$\begin{array}{r} + 2 \quad 4 \\ \hline 1 \quad 1 \quad 0 \end{array}$$

Word problems

Tushabe had 27 litres of milk. His mother gave him more 14 litres of milk. How many litres of milk did he have altogether?

Solution 2 7 litres $7 + 4 = 11$
 + 1 4 litres
 4 1 litres

Exercise 3c from MK 2000 Bk3 pg 42

Addition up to 4 place vales with and without carrying

e.g. Add

TH	H	T	O
1	4	1	3
+	2	3	0
<u>1</u>	<u>6</u>	<u>4</u>	<u>3</u>

Word problems

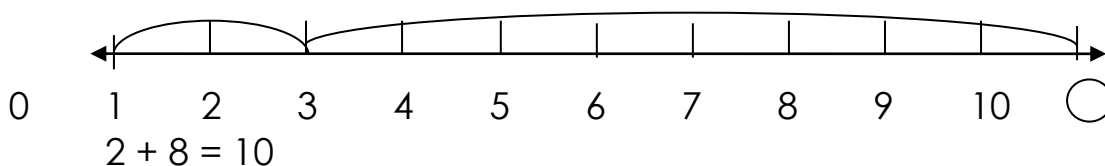
A train carried 20 children, 23 men and 125 women. How many people did it carry altogether?

Solution Children 20
 Men 23
 Women + 125
 Altogether 148 people

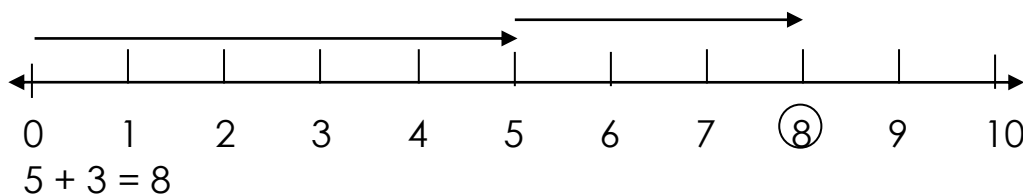
Evaluation: Exercise

Addition using a number line

e.g. Add: $2 + 8 =$



Add: $5 + 3 =$



Evaluation:

Exercise

Word problems

e.g. Sungura had 65 cows. He sold off 35. How many cows remained?

$$\begin{array}{r} \text{soln } 65 \\ - 35 \\ \hline 30 \end{array} \quad \begin{array}{l} 5 - 5 = 0 \\ 6 - 3 = 3 \end{array}$$

30 cows

Evaluation:

Exercise

I

More subtraction

$$\begin{array}{r} 127 \\ - 32 \\ \hline 95 \end{array} \quad \begin{array}{l} 7 - 2 = 5 \\ 12 - 3 = 9 \end{array}$$

Exercise

e.g. Take away 53 from 91

$$\begin{array}{r} 91 \\ - 53 \\ \hline 38 \end{array}$$

Exercise

Subtraction of 4 digit numbers

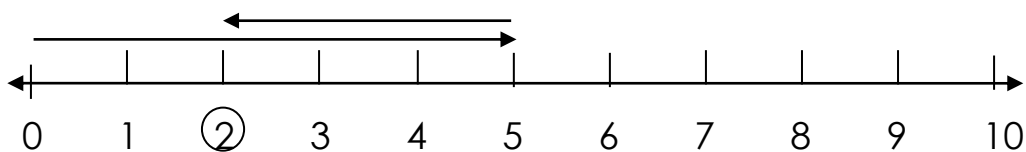
$$\begin{array}{r} \text{e.g. } 3642 \\ - 321 \\ \hline 3321 \end{array}$$

Evaluation activity

Exercise 4

Subtracting using a number line

e.g. $5 - 3 =$



$$5 - 3 = 2$$

Exercise

Multiplication table (x2)

(a) Complete the table

No of pairs	1	2	3	4	5
No. of legs	<u>2</u>	4	<u>6</u>	<u>8</u>	10

$$\begin{array}{r} 3 \quad 4 \quad 3 \\ \times \quad 2 \\ \hline 6 \quad 8 \quad 6 \end{array}$$

Exercise

Word problems

e.g. How many eyes do 5 boys have?

Solution $5 \times 2 = 10$ eyes

Exercise 6e from Mk Old edition pg65

Multiplication table (x3)

Complete the table

No of stools	1	2	3	4	5
No. of legs	<u>3</u>	6	<u>9</u>	<u>12</u>	15

$$\begin{array}{r} 1 \quad 4 \\ \times \quad 3 \\ \hline 4 \quad 2 \end{array} \quad \begin{array}{l} 4 \times 3 = 12 \\ 3 \times 1 = 3 \\ 3 + 1 = 4 \end{array}$$

Exercise

I

Multiplication x3

Word problems

e.g. One book has 12 pages. How many pages do 3 similar books have?

Solution

$$\begin{array}{r} 1 \quad 2 \\ \times \quad 3 \\ \hline 3 \quad 6 \end{array} \quad \begin{array}{l} 2 \times 3 = 6 \\ 1 \times 3 = 3 \end{array}$$

3 6 pages

Exercise

Multiplication table (x4)

Complete the table

No of cows	1	2	3	4	5
No. of legs	4	8	12	16	20

$$\begin{array}{r} 1 \quad 5 \\ \times \quad 4 \\ \hline 6 \quad 0 \end{array} \quad \begin{array}{l} 5 \times 4 = 20 \\ 1 \times 4 = 4 \\ (4 + 2) = 6 \end{array}$$

Exercise

Multiplication table (x6 and x5)

Complete the table

No of insects	1	2	3	4	5
No. of legs	6	12	18	24	30

Multiply

$$\begin{array}{r} 1 \quad 2 \quad 3 \\ \times \quad 6 \\ \hline 7 \quad 3 \quad 8 \end{array} \quad \begin{array}{l} 3 \times 6 = 18 \\ 2 \times 6 = 12 \\ (12 + 1) = 13 \\ 1 \times 6 = 6 \\ (1 + 6) = 7 \end{array}$$

Exercise

Multiplication x6 Word problems

e.g. 1 kg of sugar costs 1200/=. What will be the cost of 6kg?

$$\begin{array}{r} 1 \quad 2 \quad 0 \quad 0 \\ \times \quad 6 \\ \hline 7 \quad 2 \quad 0 \quad 0 \end{array} \quad \begin{array}{l} 0 \times 6 = 0 \\ 0 \times 6 = 0 \\ 2 \times 6 = 12 \\ 1 \times 6 = 6 \\ (6 + 6) = 7 \end{array}$$

Exercise

Multiplication x7

e.g. Multiply

$$\begin{array}{r} 2 \quad 3 \\ \times \quad 7 \\ \hline 1 \quad 6 \quad 1 \end{array} \quad \begin{array}{l} 3 \times 7 = 21 \\ 2 \times 7 = 14 \\ (14 + 2) = 16 \end{array}$$

Exercise

Natural causes of challenges in our environment

(a) Complete the table

No of weeks	1	2	3	4	5	6
No. of days	7	14	21	28	35	42

(b) Word problems

e.g How many days are there in 3 weeks?

Solution : $3 \times 7 = 21$ days

Exercise

Multiplication x8

e.g. Multiply

3	2		$2 \times 8 = 16$
x	8		$3 \times 8 = 24$
<u>2</u>	<u>5</u>		$(24 + 1) = 25$

Exercise

Livelihood in our division

Natural causes of challenges in our environment

Complete the table

No of spiders	1	2	3	4	5	6
No. of legs	8	16	24	32	40	48

How many legs do 2 spiders have?

$2 \times 8 = 16$ legs

Exercise

Word problems

An exercise book has 36 pages. How many pages do 9 exercise books have?

e.g. Multiply

3	6		$6 \times 9 = 54$
x	9		$3 \times 9 = 27$
<u>3</u>	<u>2</u>		$(27 + 5) = 32$

Exercise

Multiplication table 10

e.g. Multiply 32×10

$12 \times 10 = 120$

$32 \times 10 = 320$

$48 \times 10 = 480$

$53 \times 10 = 530$

Complete the table

X	0	1	2	3	4	5	6	7	8	9	10	11	12
10	0	10	20	30	40	50	60	70	80	90	100	110	120

Exercise

Word problems

Complete the table

No of girls	1	2	3	4	5	6
No. of fingers	10	20	30	40	50	60

How many toes do 5 boys have?

$$\begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 5 \quad 0 \text{ toes} \end{array}$$

Multiplication table 11

E.g multiply 2 x 11

11

X2

22

Exercise

Multiplication by 12

Complete the table

No of years	1	2	3	4	5
No. of months	12	24	26	48	60

How many books are there in 3 dozens of books?

$$\begin{array}{r} 1 \quad 2 \\ \times \quad 3 \\ \hline 3 \quad 6 \text{ books} \end{array}$$

Exercise

Division of simple numbers

e.g.

i) $36 \div 4 = 9$

ii) $25 \div 5 = 5$

iii) $15 \div 3 = 5$ etc

