## South Sudan

## PASTORALISTS LIVELIHOOD AND EDUCATION FIELD SCHOOLS <br> Primary Mathematics



UNIT 1: NUMBERS
UNIT 2: OPERATIONS ON NUMBERS $\qquad$ Error! Bookmark not defined. Error! Bookmark not defined.

UNIT 3* MEASUREMENTS10
UNIT 4. ADDITION AND SUBTRACTION OF DECIMALS

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## Place Value

Identifying place value of numbers up to three digits.

## Look at these numbers:

1. $289=2$ hundreds, 8 tens, 9 ones
2. $916=9$ hundreds, 1 tens, 6 ones
3. $094=0$ hundreds, 9 tens, 4 ones

## Exercise 1

Copy and compete the following:

1) 3 hundreds, 0 tens, 7 ones = $\qquad$
2) 5 hundreds, 7 tens, 8 ones $=$ $\qquad$
3) 1 hundreds, 2 tens, 0 ones $=$ $\qquad$
4) 4 hundreds, 6 tens, 6 ones $=$ $\qquad$
5) 7 hundreds, 9 tens, 4 ones = $\qquad$

## Exercise 2:

Copy and complete the following:

1) $429=$ $\qquad$ hundreds, $\qquad$ tens, $\qquad$ ones
2) $821=$ __hundreds, $\qquad$ tens, $\qquad$ ones
3) $171=$ $\qquad$ hundreds, $\qquad$ tens, $\qquad$ ones
4) $540=$ $\qquad$ hundreds, $\qquad$ tens, $\qquad$ ones

## Exercise 3:

Complete the following. The first one has been done for you.
(a) The place value of the digit 2 in 4.32 is $\qquad$ _.
(b) The place value of the digit 5 in 35.327 is $\qquad$ .
(c) The place value of digit 5 in 327.35 is $\qquad$ .
(d) The place value of the digit 9 in 3915.01 is $\qquad$ -.
(e) The place value of digit 7 in 35.327 is $\qquad$ .

## Exercise 4

1. What is the place value of digit 3 in each of the following numbers?
(a) 78354
(b) 26003
(c) 35866
(d) 53418
2. Write the following numbers in symbols:
(a) Fifty six thousand three hundred and seventy eight.
(b) Forty eight thousand nine hundred and nine.
(c) Twenty eight thousand and eight.
(d) Fifty one thousand and ninety.
3. What number comes after 99 ? 100 or one hundred in words.
4. What number comes after 999 ?

## 1000 one thousand in words.

## Exercise 6

Count the first five numbers after 100.
Write the numbers in symbols and words:
101 : $\qquad$

102 : $\qquad$
103 : $\qquad$

104 : $\qquad$
105 : $\qquad$

## Exercise 7

A) Write the following numbers in ascending order:

1) $21,72,35,15,58,90,64,40,28$
2) $29,92,48,37,61,76,15,40,77$
3) $47,10,34,88,30,39,60,27,62$
B) Write the following numbers in descending order:
4) $20,33,78,40,24,46,10,67,55$
5) $61,69,53,21,36,79,60,24,4$

## UNIT 2: OPERATIONS ON NUMBERS

## Exercise 1

## Addition

1) $\begin{array}{r}112 \\ +24\end{array}$
2) 

462
+6785
3) 265
$+187$
$\qquad$
4) 148
$+40,989$
$\qquad$
$\qquad$
$\qquad$

| Mabior has 123 cows and 115 bulls. |  |
| :--- | :---: |
| How many cows and bulls does Mabior have? |  |
| Number of cows | 123 |
| Number of bulls | +115 |
| Total number of animals |  |
|  |  |

1. P 3 class has 125 boys and 89 girls. How many students are there in P3?
2. Mayur is a cattle owner in a cattle camp in Wulu. In January he gave 284 cows to support the PLEFS in January. In February he gave 163 goats to buy books for PLEFS. How many cows and goats did Mayur give to support the PLEFS in the two months?
3. The Ministry of Health has trained 259 men and 416 women on HIV awareness in Rumbek West. How many people are now aware of HIV in Rumbek West?
4. A cattle camp in Wulu is selling milk to a Chinese company. The first day it sold 145 litres of milk. The second day it sold 562 litres. How many litres of milk did the cattle camp sell in the first two days?

## Multiplication

$617 \quad 617$ to the nearest hundreds is 600
$\times 4545$ to the nearest tens is 50
—— $600 \times 50=30000$. This product has 5 digits.
Therefore, the product of 617 and 45 will be a 5 digit number, i.e. 27765
617
$\times 45$
3,085
24,680
27,765 This Product has 5 digits.

1. (i) By rounding off, find the number of digits each product will have,
(ii) Find the accurate answer for each problem.

## Exercise 2

(a) 53
(b) 72
(c) 22
$\times 17$
$\times 11$

$$
\times 44
$$

(d) 22
$\times 15$
(e) 78
$\times \quad 3$
(f) 49
$\times 23$
2. Mama Helen can draw 45 pictures per day. How many pictures can she draw in 45 days?
3. A PLEFS class in Awerial has 38 learners. Each learner has a small garden. If each learner planted 15 cabbages in their small gardens, how many cabbages will the learners have in total?

## Exercise 3

## Division: By multiples of 10

1. (a) $100 \div 10=$
(b) $120 \div 10=$
(c) $180 \div 10=$
(d) $140 \div 10=$
2. (a) $800 \div 20=$
(b) $1200 \div 40=$
(c) $1080 \div 60$
(d) $5600 \div 80=$
3. Divide 500 books to ten boys and girls in P3. How many books will each get?
4. (a) $100 \div 10=$
(b) $120 \div 10=$
(c) $180 \div 10=$
(d) $140 \div 10=$
5. Martha planted 370 trees in ten rows. How many trees did she plant in each row?

## Exercise 4

## Divisibility tests of 6 and 9

1. Which of these numbers are divisible by 2 ?

12, 35, 221, 97, $50,1984,16,99,33,34$.
2. Which of the numbers in question 1 above are divisible by 3 ?
3. Which of the numbers in question 1 above are divisible by 6 ?
4. Which of the following numbers are divisible by 9 ?

54, 45, 39, 132, 333, 99, 18, 504.
5. From the numbers below, choose those which cannot be completely divided by 9 :

690, 180, 309, 270, 63.
6. Which of these numbers are multiples of 4 ?

442, 268, 16, 15, 152.

## Prime numbers

1. Write down the divisors for each of the following numbers:

11, 13, 15, 17, 19, 21, 31, 35, 42,
2. List the prime numbers between 20 and 35 .
3. Write down the following numbers as the sum of two prime numbers, e.g. $5=2+$ $3 ; 24=11+13$
(a) 15
(b) 24
(c) 12
(d) 30
(e) 36

## DIVISORS (FACTORS)

1. Fill in the missing factors in each of the following:
(a) $6=2 x$ $\qquad$
(b) $12=2 x$ $\qquad$
(c) $24=6 \mathrm{x}$ $\qquad$
(d) $36=4 x$ $\qquad$
(e) $54=9 x$ $\qquad$
2. Express the following as a product of two factors only. The first one has been done for you.
(a) $12=(4 \times 3)$
(b) $18=$ $\qquad$ (f) $48=$
(c) $15=$ $\qquad$ (g) $72=$ $\qquad$
(d) $25=$ $\qquad$ (h) $21=$
(e) $27=$
(i) $32=$ $\qquad$
(j) $64=$ $\qquad$

## PATTERNS

1. Fill in the blanks with the next number in the pattern. Number one has been done for you.
1) $1,3,5,7,9,11$
2) $5,9,13,17,21,25$,
3) $20,18,16,14$, $\qquad$
4) $23,29,31,37$, $\qquad$
5) $0,2,4,6,8$, $\qquad$
6) $1,2,3,5,7,11$,

## LENGTH

1. Measure the length of the following lines to the nearest centimetre:

2. Take a ruler and measure the lengths of the following. Give your answers to the nearest metre or centimetre:
(a) The lenth of a rope.?
(b) Your height.
(c) The height of your friend.
(d) The distance between one the poles used for tying cows in the cattle camp.

## Example 1: Change 475 cm into metres.

$$
100 \mathrm{~cm}=1 \text { metre }
$$

|  | 4 |
| :---: | :---: |
|  | 475 |
|  | -400 |

$$
\begin{aligned}
& =4 \frac{75}{100}^{75} \\
& =4.75 \mathrm{~m} \text { or } 4 \frac{3}{4} \mathrm{~m}
\end{aligned}
$$

Example 2: Change 5 metres into centimetres,

$$
\begin{aligned}
& 5 \mathrm{~m}=(5 \times 100) \mathrm{cm} \\
& =500 \mathrm{~cm}
\end{aligned}
$$

1. Change these measurements into metres. The first one has been done for you.
(a) $245 \mathrm{~cm}=2.45 \mathrm{~m}$
(b) 425 cm
(c) 535 cm
(d) 140 cm
(e) 780 cm
(f) 340 cm
(g) $2,565 \mathrm{~cm}$
(h) 5010 cm
2. Change these measurements into centimetres:
(a) 8 m
(b) 13 m
(c) 24 m

## PERIMETER

Perimeter is the distance all the way round a figure.


1. Use the formula $P=2(L+W)$ to find the perimeter of each of the figures below:

2. Calculate the perimeter of squares whose sides are:
(a) 13 cm
(b) 9 cm
(c) 16 cm
(d) 14 cm

AREA

## Rectangle



Squares along the length are 6
Squares along the width are 3
Area $=6 \times 3=18$ sq. units

## B



Length $=6 \mathrm{~cm}$
Width $=3 \mathrm{~cm}$
Area $=\mathrm{LxW}$
$=6 \mathrm{~cm} \times 3 \mathrm{~cm}$

$$
=18 \mathrm{~cm}^{2}
$$

## Square

A
3 cm

|  |  |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Squares along the side are 3
Squares along the other side are 3

$$
\begin{aligned}
\text { Area } & =3 \times 3 \\
& =9 \text { sq. units }
\end{aligned}
$$

B
3 cm


Side is 3 cm
Area $=S \times S$
$=3 \mathrm{~cm} \times 3 \mathrm{~cm}$

$$
=9 \mathrm{~cm}^{2}
$$

1. Measure the sides of the following figures and then find their areas:
(a)


Square

2. Find the area of the following figures in square centimetres $\left(\mathrm{cm}^{2}\right)$

2. $A B C D$ is a rectangle. Trace the rectangle on a piece of paper and cut it out. Cut the paper along the diagonal AC .
(a) What is the shape of the two figures you get?

3. Find the area of these right-angled triangles:


Finding the length or width

1. Find the width of figures $A$ and $B$ below:

2. Find the lengths of figures $A, B$, and $C$ below:


## UNIT 4: ADDITION \& SUBTRACTION OF DECIMALS

Work out the following:
6.4

1. $+\frac{+0.4}{-}$
8.7
$\begin{array}{r}8.7 \\ +2.5 \\ \hline\end{array}$
8.6
6.9
4.0
2.1

$$
\underline{-6.7}
$$

7.2
$+3.9$
0.9
$+2.3$

$$
\underline{-3.5}
$$

| (i) $0.4 \times 4=$ | (ii) $70.23 \times 14$ | (ii) $136 \times 0.015$ |
| :--- | :--- | :--- |
| $\frac{4}{10} \times 4=\frac{16}{10}=1.6$ | $\frac{7023}{100} \times 14$ <br> $=\frac{98322}{100}$ <br> $=983.22$ | $=\frac{15}{1000}$ |
|  | $=2.040$ or 2.04 |  |

1. Express the following decimals as fractions in their simplest forms. The first one has been done for you.
(a) 0.8 is $\frac{4}{5}$
(b) 0.4
(c) 0.15
(d) 0.72
(e) 0.99
(f) 0.1
2. Work out
(a) 0.9 X 3
(b) 1.2 X 4
(c) 3.1 X 3
(d) $0.12 \times 6$
(e) 0.24 X 5
(f) $6 \times 2.5$
(g) $3.3 \times 5$
(h) $0.18 \times 7$
(i) 2.14 X 3
(j) $0.23 \times 3$
(k) $1.11 \times 1$
(I) 1.20 X 0

## CONVERSION FROM DECIMAL TO FRACTIONS

Convert 0.375 into a fraction.

$$
\begin{aligned}
0.375 & =\frac{375}{1000} \\
& =\frac{375 \div 5}{1000 \div 5} \\
& =\frac{75 \div 25}{200 \div 25} \\
& =\frac{3}{8}
\end{aligned}
$$

1. Write the following as decimals:
(a) $\frac{4}{10}$
(b) $\frac{6}{10}$
(c) $\frac{5}{100}$
(d) $\frac{25}{1000}$
2. Write down as fractions
(a) 0.75
(b) 0.075
(c) 0.625
(d) 0.45

## UNIT 5:

## TELLING TIMES

## TIME IN HOURS AND MINUTES

## Exercise 1

1. Write down the time shown on each clock face in the long and short forms:

2. Draw clock faces to show:
(a) a quarter past two o'clock
(b) a half past three o'clock
(c) $4: 10$
(d) $10: 45$
(e) Twenty five minutes to eleven.

## Exercise 2

## Time in a.m. and p.m.

1. Write down these times using a.m. and p.m.
(a) Half past 10 in the morning
(b) $1 / 4$ to 11 at night
(c) 3 o'clock in the afternoon
(d) 4 o'clock in the morning
(e) 5 minutes to 12 in the morning
(f) 4 o'clock in the afternoon
2. The time now is 8.00 a.m. Copy and complete the following statements:

After 1 hour the time will be 9.00 a.m.
After 2 hours the time will be $\qquad$

After 3 hours the time will be $\qquad$
After 4 hours the time will be $\qquad$

After 5 hours the time will be $\qquad$

## Exercise 3

1. Change the following to minutes:
(a) 3 hours
(b) $4 \frac{1}{2}$ hours
(c) $3 \frac{1}{4}$ hours
(d) 12 hours
2. Change the following to hours:
(a) 240 minutes
(b) 15 minutes
(c) 150 minutes
(d) 405 minutes

## UNIT 6: <br> REVISION EXERCISE

## ADDITION

1. | h | $\min$ |
| :---: | :--- |
| 3 | 35 |
| +2 | 15 |
2. | H | Min |
| :--- | :--- | :--- |
| 24 | 36 |
| +28 | 17 |

SUBTRACTION
(i) We cannot subtract 30 s from 15 s .

We therefore borrow 1 min from 25 min and add to 15 s

2. How long is it from:
(a) 7.00 a.m. to 12.00 noon?
(b) 8.00 a.m. to 11.00 a.m.?
(c) 8.00 a.m. to 9.00 a.m.?
(d) 1.00 a.m. to 11.00 a.m.?

## MULTIPLICATION

| 1. Multiply 2 h 20 min by 5 |  | 1. | Multiply minutes: $20 \times 5=100$ |
| :---: | :---: | :---: | :---: |
|  |  | 2. | Convert: $100 \mathrm{~min}=1 \mathrm{~h} 40 \mathrm{~min}$ |
| h | min | 3. | Record 40 min and carry over 1 h |
| 20 | 20 | 4. | Multiply hours: $2 \times 5=10$ |
| x | 5 | 5. | Add hours: $=10+1=11 \mathrm{~h}$ |
| 11 | 40 | 6. | Record 11 h |
| 2. Multiply 3 min 45 s by 4 |  | 1. | Multiply seconds: $45 \mathrm{X} 4=180 \mathrm{~s}$ |
|  |  | 2. | Convert: $180 \mathrm{~s}=3 \mathrm{~min} 0 \mathrm{~s}$ |
| h | $\min$ | 3. | Record 0 s and carry over 3 min |
|  |  | 4. | Multiply minutes: $3 \times 4=12$ |
|  |  | 5. | Add minutes: $12+3=15$ |


| 3 | 45 | 6. | Record 15 min. |
| :--- | :--- | :--- | :--- |
| x | 4 |  |  |
|  |  |  |  |

## Multiply

1) $4 \mathrm{~h} 35 \min \mathrm{x} 4$
2) 3 h 40 min X 5
3) $3 \min 15 \mathrm{~s} X 10$
4) $6 \min 40 \mathrm{~s} X 9$

## DIVISION



## Divide

a) $25 \mathrm{~h} 20 \mathrm{~min} \div 4$
b) $4 \mathrm{~h} 15 \mathrm{~min} \div 3$
c) $5 \mathrm{~h} 30 \mathrm{~min} \div 6$
d) $6 \min 40 \mathrm{~s} \div 8$
e) $12 \min 30 \mathrm{~s} \div 5$
f) $50 \min 10 s \div 7$

## UNIT 7: ALGEBRA

Collection and addition of like terms

## Simplify

1. $3 a+4 a=7 a$
2. $8 b-\underline{2 b}=6 b$
3. $2 c-3 c-4 c+7 c$
collect the numbers to be added; and the numbers to be subtracted
$2 c+7 c-3 c-4 c$
Find the total of each and subtract.
$9 c-7 c=2 c$
4. Add:
(a) $x+x=$
(b) $9 \mathrm{e}+\mathrm{e}=$
(c) $7 t+5 t=$
(d) $m+3 m+2 m=$
(e) $2 \mathrm{k}+3 \mathrm{k}+10 \mathrm{k}=$
(f) $b+b+8 b=$
5. Collect like terms:
(a) $t+s+t$
(b) $2 p+3 n+5 p$
(c) $7 \mathrm{k}+8 \mathrm{k}+\mathrm{n}$
(d) $20 a+a+10 c$
(e) $n+s+n+s$
(f) $15 p+2 t+p+17 t$

## Collection and Subtraction of like terms

1. 

(a) $4 \mathrm{p}-2 \mathrm{p}=$
(b) $6 \mathrm{~d}-\mathrm{d}=$
(c) $10 \mathrm{~b}-9 \mathrm{~b}=$
(d) $3 x-x=$

Work out the following:

1. $2 \mathrm{a}+5 \mathrm{a}=$
2. $8 a+3 a+6 a=$
3. $14 \mathrm{x}-12 \mathrm{x}=$
4. $17 \mathrm{c}-5 \mathrm{c}+2 \mathrm{c}-4 \mathrm{c}=$

## SOLVING EQUATIONS

Find the unknown in the following. Number one has been done for you.

1. $\mathrm{b}+5=18 \mathrm{~b}=13$
2. $a+9=22$
3. $12+\mathrm{k}=31$
4. $y+6=7$
5. $\mathrm{q}+18=19$
6. $\mathrm{t}+75=100$

## UNIT 8:

## GEOMETRY

## TYPES OF ANGLES



RIGHT ANGLE


B
ACUTE ANGLE
(Smaller than right angle)


OBTUSE ANGLE (Bigger than right angle)


STRAIGHT LINE
(2 right angles)

2. Measure the angles shown in the figures below:

(a) $p=$
$r=$
(b) $\mathrm{s}=$
(c) $\mathrm{w}=$ $\mathrm{p}+\mathrm{r}=$
$s+t=$
$y=\quad w+x+y=$

## TRIANGLES

1. Calculate the sizes of the angles marked by small letters:


## UNIT 9:

MASS

## Revision

1. How many ${ }^{1} / 2$ kg packets are there in 5 kg ?
2. How many half kilograms are there in 35 kg ?
3. Makwach weighs 71 kg . Wul weighs 65.2 kg . What is the difference in their mass?
4. A bag full of sugar weighs 100 kg . How many packets of sugar weighing 2 kg each can be made from the bag?
5. A boy packed sugar in 1 kg packets. How many packets did he make from 2 kg of sugar?
(a) We use kilograms to weigh heavy objects, e.g. a tin of maize.
(b) We use grams to weigh light objects, e.g. small amounts of salt,

$$
\begin{aligned}
& 1 \mathrm{~kg}=1000 \mathrm{~g} \\
& 1 / 2 \mathrm{~kg}=500 \mathrm{~g} \\
& 1 / 4 \mathrm{~kg}=250 \mathrm{~g}
\end{aligned}
$$

1. What is more suitable to use, kilogram or gram, when weighing the following?
(a) A spoon full of sugar.
(b) A sack full of groundnuts.
(c) A pencil.
(d) Your weight.

## Example 1

Change 3500 grams into kilograms.
$1000 \mathrm{~g}=1 \mathrm{~kg}$
$3500 \mathrm{~g}=\frac{3500}{1000} \mathrm{~kg}$
$=\frac{35}{10} \mathrm{~kg}$
$=3.5 \mathrm{~kg}$ or $3 \frac{1}{2} \mathrm{~kg}$

## Example 2

Change $2 \frac{3}{4} \mathrm{~kg}$ into grams.
$1 \mathrm{~kg}=1000 \mathrm{~g}$
$2 \mathrm{~kg}=(1000 \times 2) \mathrm{g}$
$=2000 \mathrm{~g}$

$$
\begin{aligned}
& \text { Or Since } 1 \mathrm{~kg}=1000 \mathrm{~g} \\
& \text { then } \begin{aligned}
2 \frac{3}{4} \mathrm{~kg} & =\left(2 \frac{3}{4} \times 1000\right) \mathrm{g} \\
& =\left(\frac{11}{4} \times 1000\right) \mathrm{g}
\end{aligned}
\end{aligned}
$$

$$
\begin{array}{|l|l}
\begin{array}{|l|l}
\frac{3}{4} \mathrm{~kg}=750 & \mathrm{~g} \text { i.e. }\left(\frac{3}{4} \times 1000=750 \mathrm{~g}\right) \\
\therefore 2 \frac{3}{4} \mathrm{~kg}=2000 \mathrm{~g}+750 \mathrm{~g} & =2750 \mathrm{~g} \\
& =2750 \mathrm{~g}
\end{array}
\end{array}
$$

1. Change the following into kilograms. Number one has been done for you.
(a) 500 g
0.5 kg
(b) 6000 g
(c) 1000 g
(d) 750 g
2. Change the following into grams:
(a) $1 / 2 \mathrm{~kg}$
(b) 6 kg
(c) $3 / 4 \mathrm{~kg}$

## Example 3

Mading bought 24 tins of cooking fat. Each tin contained 500 g of the fat. How many kilograms of fat did he buy?

1 tin weighs 500 g
24 tins weigh ( 24 X 500 ) g
(24X500) $\mathrm{g}=12000 \mathrm{~g}$
$1000 \mathrm{~g}=1 \mathrm{~kg}$

$$
\therefore 12000 \mathrm{~g}=\frac{12000}{1000} \mathrm{~kg}
$$

$=12 \mathrm{~kg}$
5. There are 200 packets of tea leaves in a carton. Each packet weighs 250 g . What is the total mass of tea leaves in the carton? (Answer in kg.)

## UNIT 10: GEOMETRY

## Perpendicular lines


$S R$ is perpendicular to $P Q$


UV is perpendicular to YT

Measure the angles shown and name the lines that are perpendicular

(c)



## RECTANGLE

Measure the sides and angles of this rectangle and fill in the blank spaces.


Sides
$A B=$ $\qquad$ $\mathrm{cm} \quad \mathrm{CD}=$ $\qquad$ cm $\quad \mathrm{ABC}=$ $\qquad$ cm

Angles
$\mathrm{BC}=$ $\qquad$ $\mathrm{cm} \quad \mathrm{DA}=$ $\qquad$ cm $\quad \mathrm{CDA}=$ $\qquad$ cm
$\mathrm{BCD}=$ $\qquad$ cm

For a rectangle:
(a) Two opposite sides are equal.
(b) All angles are right angles $\left(90^{\circ}\right)$
(c) Opposite sides are parallel.

Which of these figures are rectangles?


1. Which of these diagrams are:
a) Squares?
b) Rectangles?


## UNIT 11:

## VOLUME

|  | This is a stack of cubes. How many cubes are <br> in the stack? <br> Each layer has 5 columns and 2 rows. <br> There are 3 such layers. |
| :--- | :--- |


1.

(a) How many layers are there in this stack?
(b) How many cubes are there in each layer?
(c) How many cubes are there altogether in the stack?
2. How many cubes are arranged to form each of the following stacks?
(a)

(b)

(c)

3. Madding arranged bricks in three layers. Each layer had three columns and four rows. How many bricks did he arrange altogether?

These blocks can be made up of centimetre cubes. Study them and answer the questions below:

(a) How many layers will be needed to make each of the blocks $\mathrm{A}, \mathrm{B}$ and C ?
(b) How many rows will be needed to make each layer?
(c) How many columns will be needed to make each layer?
(d) How many cubes will be needed to make each block?

## CAPACITY

## REVISION

$$
\begin{aligned}
& 1 \text { Litre }=1000 \text { millilitres }(\mathrm{ml}) \\
& \frac{1}{2} \text { Litre }=500 \text { millilitres }(\mathrm{ml}) \\
& \frac{1}{4} \text { Litre }=250 \text { millilitres }(\mathrm{ml})
\end{aligned}
$$

1. Change the following into milliliters:
(a) 3 litres
(b) 4.5 litres
(c) $2^{2} / 8$ litres
