

Answers for Day 4 Activity 26<sup>th</sup> March 2020, MK 2000 Pg 391

1 Let kato's age be  $x$

Kyege	Kato	Total
$3x$	<del><math>10x</math></del> $x$	20

$$3x + x = 20$$

$$\begin{array}{r} 1 \\ 4x = 20 \\ \hline 4 \end{array} \quad \begin{array}{r} 20 \\ 4 \\ \hline 5 \end{array}$$

$$x = 5.$$

$\therefore$  Kato is 5 years old.

2

let the daughters age be  $y$

Mother	Daughter	Total
$4y$	$y$	30

$$4y + y = 30$$

$$\begin{array}{r} 1 \\ 5y = 30 \\ \hline 5 \end{array} \quad \begin{array}{r} 30 \\ 5 \\ \hline 6 \end{array}$$

$$y = 6$$

$\therefore$  The daughter's age = 6 years.

3

Apio	Waiswa	Total
$3x$	$4x$	140

$$3x + 4x = 140$$

$$\begin{array}{r} 7x \\ \hline 71 \end{array} = \begin{array}{r} 140 \\ \hline 71 \end{array}$$

$$x = 20$$

Apio's weight

$$\begin{aligned} 3x &= 3 \times x \\ &= 3 \times 20 \\ &= 60 \text{ kg.} \end{aligned}$$

$\therefore$  Apio's weight = 60kg