

MATHEMATICS MODULE YEAR 4

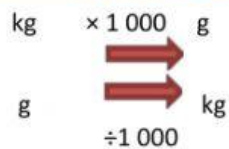
TARIKH/HARI	:	20 SEPT 2021 (ISNIN)
TITLE	:	SIZE AND MEASUREMENT
CONTENT STANDARDS	:	Mass
STANDARD OF LEARNING :		5.2.2
PERFORMANCE STANDARDS	:	Determine the justification of the answer and complete the math sentence involves measurement and measurement.
LEARNING OBJECTIVES	:	Students are able to complete mix operation sentences of times and divide mass involving units of grams and kilograms

REFERENCE : MATHEMATICS TEXTBOOKS 4 M/S 186 - 187

NOTE / EXAMPLE :

NOTE

$$1 \text{ kg} = 1\,000 \text{ g}$$



EXAMPLE

$$2 \times 10 \text{ kg} \div 8 = \underline{\hspace{2cm}} \text{ g}$$

2 500 g

SOLUTIONS

$$2 \times 10 \text{ kg} \div 8 = \underline{\hspace{2cm}} \text{ g}$$

$$\begin{array}{r} 10\,000 \text{ g} \\ \times \quad 2 \\ \hline 20\,000 \text{ g} \end{array}$$

$$2 \times 10 \text{ kg} \div 8 = \underline{2\,500} \text{ g}$$

2 x 10 kg = 20 kg
20 kg = 20 000 g
20 000 g ÷ 8 = 2 500 g

$$9 \times 1\,600\text{ g} \div 4 = \text{ ______ kg ______ g}$$

3 kg 600 g

Cara 1

$$\begin{array}{r} 5 \\ 1\,600\text{ g} \\ \times 9 \\ \hline 14\,400\text{ g} \end{array}$$

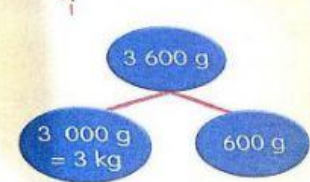
$$\begin{array}{r} 3\,600\text{ g} \\ 4 \overline{) 14\,400\text{ g}} \\ \underline{-12\,000} \\ 2\,400 \\ \underline{-2\,400} \\ 000 \\ \underline{-000} \\ 000 \\ \underline{-000} \\ 0 \end{array}$$

$$3\,600\text{ g} = 3\,000\text{ g} + 600\text{ g} = 3\text{ kg } 600\text{ g}$$

$$9 \times 1\,600\text{ g} \div 4 = \text{3 kg 600 g}$$

Cara 2

$$9 \times 1\,600\text{ g} = 14\,400\text{ g}$$



$$18\text{ kg } 30\text{ g} \div 5 \times 6 = \text{ ______ kg ______ g}$$

21 kg 636 g

$$\begin{array}{r} 3\text{ kg } 0\,606\text{ g} \\ 5 \overline{) 18\text{ kg } 30\text{ g}} \\ \underline{-15} 3 0\,30 \\ \underline{-0} 3\,0 \\ \underline{-3\,0} 0\,3 \\ \underline{-0} 3\,0 \\ \underline{-3\,0} 0 \end{array}$$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 3 \quad 606 \\ \times \\ 18 \quad 3\,636 \\ + 3 \quad -3\,000 \\ \hline 21 \quad 636 \end{array}$$

18 kg 30 g ÷ 5 × 6 = 21 kg 636 g

$$18\text{ kg } 30\text{ g} \div 5 \times 6 = \text{21 kg 636 g}$$

ANSWER THE EXERCISES IN THE MATHEMATICAL DLP BOOSTER BOOK PAGE 80, QUESTIONS 1 THROUGH 4.

2. $6 \times 9 \text{ kg } 420 \text{ g} \div 5$
 $= \text{--- kg --- g}$

[illegible]

The diagram illustrates a memory layout with a 2D grid of boxes. The grid is divided into two main sections by a horizontal line. The top section contains several boxes, some of which are labeled '0' and '00'. The bottom section contains a large box labeled 'X' with columns 'KG' and 'G'. An arrow points from the '0' box to the '00' box.

4. $34 \text{ kg } 20 \text{ g} \div 9 \times 3$
= _____ g

The diagram illustrates a vertical stack of boxes, with a horizontal line and an arrow pointing to a box, and a table with columns labeled KG and G.

KG	G
X	