

MATHEMATICS DLP WORKSHEET — YEAR 6

Learning Standard: 7.2.1 Represent ratio of two quantities in the simplest form

Name: _____

Class: _____

Date: _____

■ **Note / Nota:** To simplify a ratio $(a : b)$, divide both quantities by their Highest Common Factor (HCF) until they cannot be divided further. Ratios do not have units.

(Untuk memudahkan nisbah $(a : b)$, bahagikan kedua-dua kuantiti dengan Faktor Sepunya Terbesar (FSTB) sehingga tidak boleh dibahagi lagi. Nisbah tidak mempunyai unit.)

Section A: State the Ratio in the Simplest Form

Instruction: Simplify the following ratios. Write your final answer in the space provided.

No.	Quantity / Situation	Initial Ratio	Simplest Form
1.	2 kg to 6 kg	2 : 6	[]
2.	15 biscuits to 25 biscuits	15 : 25	[]
3.	18 girls to 12 boys	18 : 12	[]
4.	400 m to 1000 m	400 : 1000	[]
5.	24 minutes to 36 minutes	24 : 36	[]

Section B: Word Problems

Instruction: Read carefully and solve the problems by representing the ratios in their simplest form.

1. A basket contains **12 red apples** and **20 green apples**.

State the ratio of the number of red apples to the number of green apples in the simplest form.

(Sebuah bakul mengandungi 12 epal merah dan 20 epal hijau. Nyatakan nisbah bilangan epal merah kepada bilangan epal hijau dalam bentuk termudah.)

Answer / Jawapan: []

2. In a school chess club, there are **35 members**. 14 of them are boys and the rest are girls.

Find the ratio of the number of girls to the number of boys in the simplest form.

(Dalam sebuah kelab catur sekolah, terdapat 35 orang ahli. 14 orang daripadanya adalah lelaki dan selebihnya adalah perempuan. Cari nisbah bilangan ahli perempuan kepada bilangan ahli lelaki dalam bentuk termudah.)

Answer / Jawapan: []

3. Encik Haziq uses **800 g of flour** and **600 g of sugar** to bake a cake.

What is the simplest ratio of the mass of flour to the mass of sugar used?

(Encik Haziq menggunakan 800 g tepung dan 600 g gula untuk membakar sebiji kek. Apakah nisbah termudah bagi jisim tepung kepada jisim gula yang digunakan?)

Answer / Jawapan: []