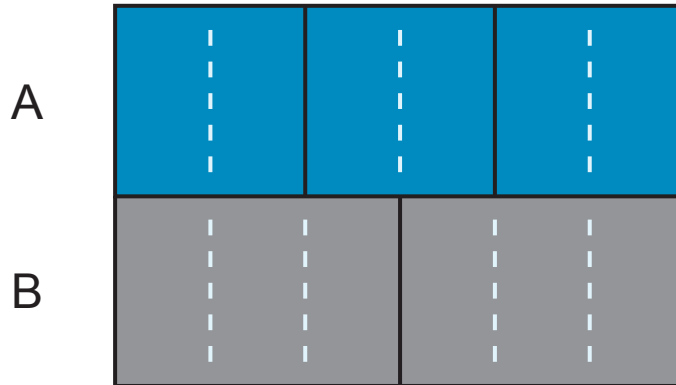


# Cut Same Size

## CSS Introduction



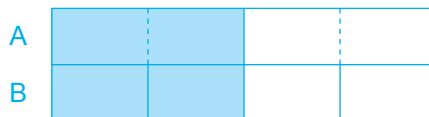
In **Cut Same Size (CSS)**, the aim is to cut models into equal parts so that quantities can be expressed directly as units against one another.

**Tip:** Shade the equal parts first before drawing the remaining total parts that make up the whole. Use dotted lines to cut the units into smaller equal-size units.

## CSS Example

$\frac{1}{2}$  of A's cookies is equal to  $\frac{2}{3}$  of B's cookies.

What fraction of the total cookies is A's cookies?



A  $\rightarrow$  4 units

B  $\rightarrow$  3 units

Total  $\rightarrow 4 + 3 = 7$  units

Fraction (A)  $\rightarrow \frac{4}{7}$

Ans:  $\frac{4}{7}$

Adapted:

Score A\* in Singapore Mathematics Problem Sums Level 5 (Standard Edition)

© Singapore Asia Publishers Pte Ltd & Sky Tan. All rights reserved.

Reproducible for home/classroom use only.

STRICTLY NOT FOR SALE.

Look for other useful resources: [www.sapgrp.com](http://www.sapgrp.com)

**Question 1**

2 boxes of chocolate cookies cost as much as 5 boxes of strawberry cookies. 4 boxes of chocolate cookies and 4 boxes of strawberry cookies cost \$22.40. How much did 1 box of strawberry cookies cost?

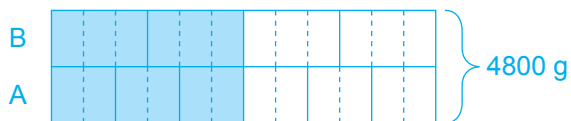
Ans: \_\_\_\_\_

**Question 2**

A spent  $\frac{3}{4}$  of her money on 3 boxes of chocolate cookies. B spent  $\frac{4}{9}$  of her money on 2 boxes of strawberry cookies. A and B had an equal amount of money left. A box of chocolate cookies cost \$18 more than a box of strawberry cookies. How much money did A and B have at first?

Ans: \_\_\_\_\_

Question 1



$24 \text{ units} \rightarrow 4800 \text{ g}$   
 $1 \text{ unit} \rightarrow 4800 \div 24 = 200 \text{ g}$   
 $3 \text{ units} \rightarrow 3 \times 200 = 600 \text{ g}$   
 $1B \rightarrow 600 \text{ g}$

Ans: 600 g

Question 2



$21 \text{ units} \rightarrow 840 \text{ cookies}$   
 $1 \text{ unit} \rightarrow 840 \div 21 = 40 \text{ cookies}$   
 $3 \text{ units} \rightarrow 3 \times 40 = 120 \text{ cookies}$   
 $\text{More} \rightarrow 120 \text{ cookies}$

Ans: 120 more cookies