

# Unit Transfer Method

## Primary 5

### Lesson 9: Two Variables Concept

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**LESSON 9: TWO VARIABLE CONCEPT****GUIDED EXAMPLE 1**

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6 identical cushion covers and 2 identical rugs cost \$88.

1 such cushion cover and 1 such rug costs \$20.

What is the cost of 1 cushion cover?

**GUIDED EXAMPLE 2**

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April and May went shopping for clothes.  
April bought 4 dresses and 3 blouses for \$252.  
May bought 3 dresses and 6 blouses for \$279.  
Find the cost of each item?

**GUIDED EXAMPLE 3**

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Alpha and Charlie weigh 178 kg.  
Alpha and Bernard weigh 164 kg.  
Bernard and Charlie weigh 186 kg.  
Find the total weight of the three men.

**GUIDED EXAMPLE 4**

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Two objects weigh 12.2 kg.

20% of the weight of first object

and 50% of the weight of the second object adds up to 2.5 kg.

Find the weight of the first object?

**GUIDED EXAMPLE 5**

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There were 4 more men than women in a seminar.

$\frac{4}{5}$  of the men and  $\frac{3}{4}$  the women did not wear spectacles.

17 of the adults wore spectacles.

How many adults were there in the seminar?

**GUIDED EXAMPLE 6**

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Aloysius, Ben and Carl had some marbles.

Ben and Carl had a total of 360 marbles.

Aloysius and Carl had a total of 450 marbles.

Ben had half the number of marbles that Aloysius had.

How many marbles did Carl have?



**BUILD YOUR UNDERSTANDING** 

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1. The mass of 2 identical packets of salt and 3 identical packets of sugar is 3.862 kg.  
The mass of 15 such packets of salt and 3 such packets of sugar is 8.49 kg.
  - a) What is the mass of one such packet of salt?
  - b) What is the mass of one such packet of sugar?

2. 3 identical books and 2 identical files cost \$78.  
1 such book and 3 such files cost \$40.  
What was the price of a book?

3. Zen bought a watermelon, a honeydew and a durian.  
The watermelon and the honeydew costs \$7.80.  
The watermelon and the durian costs \$22.80.  
The durian costs 6 times as much as the honeydew.  
How much did Zen pay for the durian?

4. There are 73 sweets in Box A and Box B.  
Given that  $\frac{2}{3}$  of the sweets in Box A is 6 more  
than  $\frac{2}{5}$  of the sweets in Box B.  
How many sweets are there in Box B?

5. Mrs Tan baked 68 cupcakes and muffins altogether.  
She gave  $\frac{3}{4}$  of the cupcakes and  $\frac{1}{2}$  of the muffins to her friends.  
She was left with 21 cupcakes and muffins.  
How many muffins did she bake?