

Unit Transfer Method

Primary 5

Lesson 10: Revision

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Lesson 10: Revision (II)

- Excess and Shortage Scenarios
- Repeated Identity Scenarios
- Equal Scenarios
- Two Variables Scenarios

GUIDED EXAMPLE 1

Robert had a sum of money.

Robert wanted to buy 12 erasers but he was short of \$0.80.

He decided to buy 8 erasers instead and had \$1.60 left.

How much money did Robert have?

GUIDED EXAMPLE 2

The ratio of Gary's allowance to Eric's allowance is 3 : 1.
The ratio of Alex's allowance to Gary's allowance is 5 : 2.
If Alex has \$52 more than Eric,
find the total allowance of the three boys.

GUIDED EXAMPLE 3

Andy, Benson and Calvin shared the cost of the dinner.

Andy paid for $\frac{1}{3}$ of the bill.

The remainder was shared between Benson and Calvin in the ratio of 2: 3.

- a) What is the ratio of the amount of money paid by Andy to Benson to Calvin?
- b) The dinner cost \$45. How much more money did Calvin pay than Benson?

GUIDED EXAMPLE 4

Zen and Harry each have some saving.

Given that $\frac{4}{9}$ of Zen's saving is equal to $\frac{3}{4}$ of Harry's saving.

Their total saving is \$1935, find how much is Zen's saving.

GUIDED EXAMPLE 5

Adeline spent \$1485 on 9 identical handbags and 3 identical pairs of shoes.

Sherlyn spent \$618 on 2 such handbags and 6 such pairs of shoes.

What was the cost of a pair of shoes?

GUIDED EXAMPLE 6

Zave and Jackson earn a total of \$9850 every month.

Jackson spends $\frac{8}{9}$ of his salary and saves the rest,

while Zave spends $\frac{4}{5}$ of his salary and saves the rest.

Altogether, both of them save \$1550 every month.

How much money does Zave earn every month?

BUILD YOUR UNDERSTANDING

1. Winnie bought some roses for her teachers during Teachers' Day.
If she gives each teacher 3 roses, she will have 16 roses left.
If she gives each teacher 5 roses, she will need another 4 roses.
 - a) How many teachers are there?
 - b) How many roses did Winnie buy?

2. John had some coins.
If he puts the coins in stacks of 30, he would have a remainder of 160 coins.
If he puts the coins in stacks of 50, he would be short of 60 coins.
How many coins does John have?

3. Nelson has $\frac{3}{8}$ as many paper clips as Leon.
Dickson has $\frac{5}{9}$ as many paper clips as Leon.
If the three of them have a total of 278 paper clips,
how many paper clips does Leon have?

4. Mrs Yan had some beads.
The number of red beads to the number of blue beads was 2 : 3.
 $\frac{1}{7}$ of the total number of beads were green beads.
What fraction of Mrs Yan's beads were blue beads?

5. Larry saved \$261 more than Sean.
 $\frac{2}{9}$ of Larry's saving is equal to $\frac{5}{8}$ of Sean's savings.
How much did Larry save?

6. 1 kg of beef and 1 kg of mutton costs \$12.
Andy bought 1 kg of beef and 5 kg of mutton for \$38.
How much does 1 kg of mutton cost?

7. Mary and Tina both had \$256 altogether at first.
Mary spent $\frac{1}{3}$ of her money on a skirt.
Tina spent 60% of her money on a blouse.
Given that the blouse cost \$8 more than the skirt,
find the amount of money Mary had at first.