



Primary 5
Model / Branching
Lesson 4:
Remainder Scenario (IV)

enquiry@mathsheuristics.com
Whatsapp Support:
8333 6240

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LESSON 4: Whole number removed, Portion Remain

GUIDED EXAMPLE 1

During a travel fair, 120 families chose Switzerland as their holiday destination.
50% of the remaining families chose Australia while the rest chose Japan.
If 30% of all the families at the travel fair chose Japan,
how many families were there at the travel fair?

GUIDED EXAMPLE 2

Mrs. Lee spent \$120 on a watch.

She spent $\frac{1}{7}$ of her remaining money on a pair of shoes.

She had $\frac{3}{5}$ of her money left.

How much money did Mrs. Lee have at first?

GUIDED EXAMPLE 3

Alan spent \$65 on a shirt and 40% of the remaining money on a tie.

He had 40% of his original amount of money left.

Find the amount of money he had at first.

GUIDED EXAMPLE 4

Raju has already solved 260 Math problems to prepare for his examination. He planned to finish the rest of the Math problems in the next 6 days by solving the same number of Math problems each day. If he completes 32% of the Math problems in the next 4 days, how many Math problems would he have solved altogether?

GUIDED EXAMPLE 5

Mr. Chan had a sum of money.

He gave \$1400 to his wife and spent \$400 on a television set.

He then gave $\frac{2}{5}$ of the remaining money to his three children.

Given that each child received $\frac{1}{12}$ of the original sum of money,
how much did each child receive?

BUILD YOUR UNDERSTANDING

1. Patsy spent \$165 on a pair of shoes and 30% of the remainder on a skirt. Given that she had 40% of her original amount of money left, find the amount of money she had at first.

2. Ali won some money in a lottery draw.
He spent \$1400 to buy a bag and $\frac{1}{4}$ of the remainder on a digital photo frame.
If he had 40% of the money left, how much money did he win?

3. There were 138 adults and some children at a concert.
 $\frac{2}{3}$ of the children were boys and the rest were girls.
Given that $\frac{2}{9}$ of the people at the concert were girls,
how many people were at the concert?

4. Peter had some money.
He spent \$30 and $\frac{1}{5}$ of his remaining money on lunch.
He realised that she had $\frac{3}{5}$ of her money left.
How much money did Peter have at first?

5. During a sale, John spent \$650 of his money on a laptop and the remaining money on a pair of speakers and a thumb drive. The ratio of the amount of money he spent on the pair of speakers to the thumb drive is 5:2. He used $\frac{1}{4}$ of his money for the pair of speakers.
- a) What fraction of the remaining money did John spend on the thumb drive?
- b) How much money did John have at first?

(CHS P5 Mid-Year)

6. A contractor needed to cover the entire hall with tiles. He laid 319 tiles. He completed tiling the rest of the hall in the next 7 days using an equal number of tiles each day. At the end of the 4th day, he was able to tile $\frac{7}{15}$ of the hall. How many tiles did the contractor use to cover the entire hall?