



Primary 5
Model / Branching
Lesson 2:
Remainder Scenario (II)

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LESSON 2: Quantity Change by Whole Number**GUIDED EXAMPLE 1**

Mr. Gopal donated $\frac{1}{6}$ of his money and an additional \$12 to the Red Cross Society.

He spent $\frac{2}{3}$ of the remaining money and an additional \$26 on a meal.

He had \$83 left. How much money did Mr. Gopal have at first?

GUIDED EXAMPLE 2

Ali gave $\frac{1}{3}$ of his money to his brother and gave \$5 to his sister.

He then spent $\frac{3}{8}$ of the remainder and had \$15 left.

How much was his money at first?

GUIDED EXAMPLE 3

Bill spent $\frac{1}{6}$ of his money and an additional \$11 on food.

He then spent $\frac{2}{3}$ of the remaining money and an additional \$7 on books.

Given that he was left with \$16, how much money did Bill have at first?

GUIDED EXAMPLE 4

Raju had some money.

On Monday, he spent $\frac{1}{3}$ of his money on a pair of jeans and \$43.85 on a jacket.

On Tuesday, he received \$40 from his mother.

He then spent \$135 to buy a watch and had \$49.75 left in the end.

How much did the pair of jeans cost?

GUIDED EXAMPLE 5

During the year end, ABC Supermarket sold 60 hampers less than $\frac{1}{2}$ the number of hampers in the shop on the first day.

On the second day, it sold 50 hampers more than $\frac{1}{2}$ of the remaining number of hampers and had 400 hampers left.
How many hampers was sold on the first day?

BUILD YOUR UNDERSTANDING

1. Peter and James shared the cost of renting a bicycle.
Peter paid \$14 more than $\frac{1}{5}$ of the cost for rental.
James paid the remaining \$10.
How much was the total rental for the bicycle?

2. Sally baked some cookies.
She sold $\frac{3}{4}$ of the cookies on the first day.
She sold $\frac{1}{2}$ of the remaining cookies and 2 cookies on the second day.
She had 84 cookies left in the end.
How many cookies did Sally bake at first?

3. Jane read $\frac{2}{9}$ and another 6 pages of a book on Monday,
On Tuesday, she read $\frac{3}{5}$ of the remaining book and another 16 pages.
There was 158 pages left. How many pages were there in the book?

4. Jay spent $\frac{3}{8}$ of his money to buy some books and \$40 on transport.
He spent $\frac{2}{5}$ of the remaining on food and saved the rest.
If he saved \$120, how much more money did he spend on the books than food?

5. A stationary shop sold 100 books less than $\frac{1}{3}$ of the number of books on the first day. On the second day, it sold 90 books more than $\frac{1}{2}$ the remaining number of books. It sold 140 books on the third day and there were 60 books left. Find the number of books in the stationary shop at first.

6. Joshua spent $\frac{1}{8}$ of his monthly salary and an additional \$50 on food.
He spent $\frac{2}{5}$ of the remainder and an additional \$70 on household expenses.
He was left with \$2630. How much was Joshua's monthly salary?