Fraction word problems

Grade 3 Math Word Problems Worksheet

Gilly and Luke went to the school library one fine morning. They planned to read books that day and borrow books to read during the winter.

1. Of the 10 books on fairy tales, Gilly borrowed 3. What fraction of the books on fairy tales did she borrow?

2. Gilly found 15 books on underwater life and brought 7 of these to the table. What fraction of the books on underwater life did she bring to the table?

3. Luke saw 9 books about the Solar System and its 9 planets. These were thick books and so he thought that 2 of these would be enough. What fraction of the solar system books did he borrow?

4. Luke also checked out books about land and sea animals. There were 20 books on land animals and 4 books on sea animals. He chose to borrow 7 books on animals. What fraction of the books on animals did Luke borrow?

5. Lastly, Gilly and Luke found a book on Greek mythology and the 12 most important Greek myths. The book had 120 pages. Gilly and Luke read 40 pages of the book. What fraction of the book did they read?

Answers

1. 3 out of 10 = $\frac{3}{10}$

    Gilly borrowed $\frac{3}{10}$ of the fairy tale books.

2. 7 out of 15 = $\frac{7}{15}$

    She brought $\frac{7}{15}$ of the books on underwater to the nearest table.

3. 2 out of 9 = $\frac{2}{9}$

    He borrowed $\frac{2}{9}$ of the solar system books.

4. Total number of books on animals = 20 + 4 = 24

    Number of books on animals borrowed = 7

    Luke borrowed $\frac{7}{24}$ of the books on land animals.

5. 40 out of 120 = $\frac{40}{120}$ = $\frac{4}{12}$ = $\frac{1}{3}$

    They read $\frac{1}{3}$ of the Greek mythology book.