

## Fraction word problems

### Math Word Problems Worksheet

Read and answer each question.

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?

$$\frac{3}{10}$$

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?

$$\frac{7}{15}$$

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?

$$\frac{2}{9}$$

4. Luke also checked out books about land animals 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?

$$\frac{7}{24}$$

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?

$$\frac{40}{120}$$

$$\frac{4}{12}$$

$$\frac{1}{3}$$

$$10$$

$$172$$

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One fine spring morning, best friends Abby and Jessica went to the amusement park to enjoy some amazing rides.

1. Wanting to take things slowly, they first tried the carousel. There are 48 people in line. If 28 of them are kids, what is the fraction of people in line for the carousel that are kids?

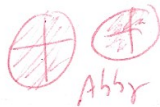
$$\frac{28}{48} \quad \frac{7}{12}$$

2. Next, they decided to try the log ride. They were required to wear life vests to ensure their safety. There are 27 life vests available and 15 of them are colored yellow. What fraction of the life vests are not yellow?

$$\frac{27}{15} - \frac{15}{12} \quad \frac{12}{27} \quad \frac{4}{9}$$

draw a picture.

3. After the log ride, they decided to grab something to eat. They bought 2 whole pizzas each. Abby had each of her whole pizzas sliced into four while Jessica had each of hers sliced into 8. Which of them ate more if Abby ate one whole pizza and 3 slices while Jessica ate one whole pizza and 5 slices?



Abby  $1\frac{3}{4}$   
Jessica  $1\frac{5}{8}$

4. Full from eating, they decided to rest by a pond full of ducks. There are 16 ducks in the pond and 8 of them are male. What is the fraction of male ducks in the pond? What is the fraction of female ducks?

$$\frac{8}{16} \quad \frac{1}{2}$$

5. Lastly, they rode the roller coaster. The roller coaster train is composed of 21 cars. If there are 12 empty cars, what is the fraction of empty cars in the roller coaster train?

$$\frac{12}{21} \quad \frac{4}{7}$$

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Hannah's Heaven's Delight cake and pastry shop will be having its 10<sup>th</sup> anniversary. On the day of the celebration, all bakery goods will be sold at half the regular price.

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mos  
to spm

1. Hannah bought 100 lbs of strawberries, 70 lbs of which was used in making Strawberry Overload cakes. What fraction of the Strawberries was used for Strawberry Overload cakes?

$70/100$   $7/10$  of strawberries used.

2. During the first five minutes, 6 of the 8 slices of one Strawberry Overload cake were sold. What fraction of the Strawberry Overload cake was sold during the first five minutes?

$6/8 = 3/4$

3. 8 of 12 slices of a large apple pie were sold in the first 10 minutes. What fraction of the apple pie was sold in the first 10 minutes?

$8/12 = 2/3$

4. 12 of the 15 boxes of chocolate chip cookies were sold. What fraction of boxes of chocolate chip cookies was sold during the super sale period?

$12/15 = 4/5$

5. On the other hand, 15 of the 20 boxes of oatmeal cookies were sold during the super sale period. Which of the two types of cookies (oatmeal or chocolate chip) have a greater fraction sold during the sale?

Chocolate Chips =  $4/5 = 16/20$  oatmeal  $15/20 = 3/4$

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