Name: .... Class: ....

Fractions of whole word problems

a.

A novel has 15 chapters of equal length. You read 2 chapters.

What fraction of the book have you not read?

b.

Riley and her sister love chocolate cake too much. On her sister's birthday, their mother baked a very large delicious chocolate cake and divided it into 13 equal pieces. The birthday girl ate 5 pieces and Riley ate 2 pieces.

What fraction of the cake did Riley eat?

c.

Ariana's grandmother distributed all the candies she had to her grandchildren, Ariana, Natalia, and Leon. Ariana received 5 candies, Leon received 5 candies, and Natalia received 7 candies because she is the eldest.

What fraction of the candies did Natalia receive?

d.

A test has 22 questions of equal magnitude. Walter answered 7 questions within the space of 8 minutes.

If he has to finish writing the test in 21 minutes time. What fraction of the time does he have left to answer?

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Name: .... Class: ....

Fractions of whole word problems

a.

Number of chapters you have read = 2

Total number of chapters the novel has = 15.

Number of chapters you have not read = 15 – 2 = 13

Therefore, fraction of the book you have not read =

$$\frac{\text{number of chapters you have not read}}{\text{total number of chapters the novel has}}$$

$$= \frac{13}{15}$$

So, you have not read $\frac{13}{15}$ of the book.

b. Riley ate $\frac{2}{13}$ of the cake.

c. Natalia received $\frac{7}{17}$ of the candy.

d. He has $\frac{13}{21}$ of the time left.