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

Fractions of Whole Numbers Word Problems

a.

A novel has 16 chapters of equal length. You read 3 chapters.

What fraction of the book have you not read?

b.

Andre 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 14 equal pieces. The birthday girl ate 3 pieces and Andre ate 2 pieces.

What fraction of the cake was left?

c.

Sarah is making a new dress for herself. So she cut up the fabric she has into 11 large equal pieces. She uses 4 pieces of fabric to make the dress.

What fraction of the fabrics has she used?

d.

A test has 20 questions of equal magnitude. Arthur answered 6 questions within the space of 7 minutes.
If he has to finish writing the test in 33 minutes time.

What fraction of time does he have left?

Solution

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

Fractions of Whole Numbers Word Problems

a. Number of chapters you have read = 3

Total number of chapters the novel has = 16

Part of book I have not read =

total number of chapters of the book - number of chapters I already read

$$
\begin{array}{r}
1\,6 \\
-\quad 3 \\
\hline
1\,3
\end{array}
$$

Therefore, fraction of the book you have to read =

$$\frac{\text{Number of chapters you have read (numerator)}}{\text{total number of chapters the novel (denominator)}} = \frac{13}{16}$$

So, you have not read $\frac{13}{16}$ of the book.

b. $\frac{9}{14}$ of the cake was left.

c. She used $\frac{4}{11}$ of the fabric.

d. He is left with $\frac{26}{33}$ of the time to finish the test.