

# Grade 3

## Student A

During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
- The rest of the books Celeste and Adele read were fiction.

1) How many non-fiction books did the sisters read last week?

2) How many fiction books did the sisters read last week?

Be sure to explain your work using pictures, words, and symbols.

$$\frac{6}{8}$$

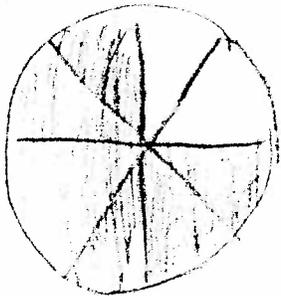
$$\frac{3}{4}$$



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

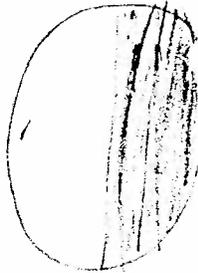


$$\frac{4}{4}$$

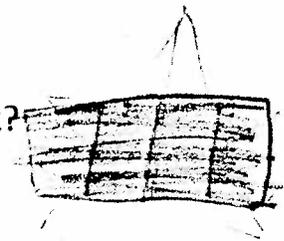


1 Hole

$$\frac{1}{2}$$



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



# Grade 3

## Student B

During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
- The rest of the books Celeste and Adele read were fiction.

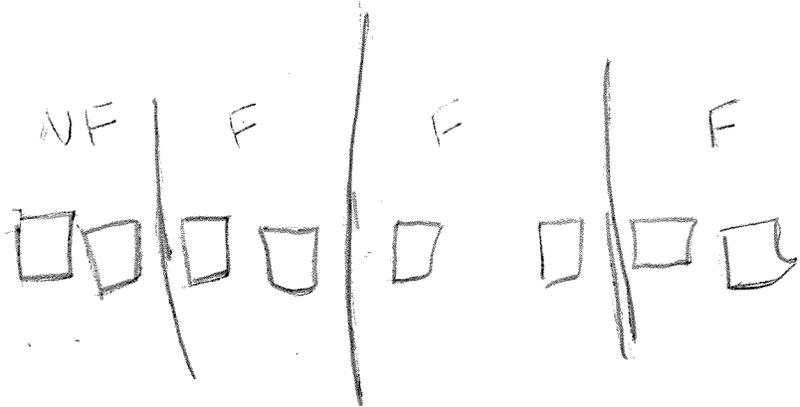
1) How many non-fiction books did the sisters read last week?

2 NON Fiction  
book

2) How many fiction books did the sisters read last week?

6 Fiction books

Be sure to explain your work using pictures, words, and symbols.



It is 2 nonfiction books and its  
6 fiction books

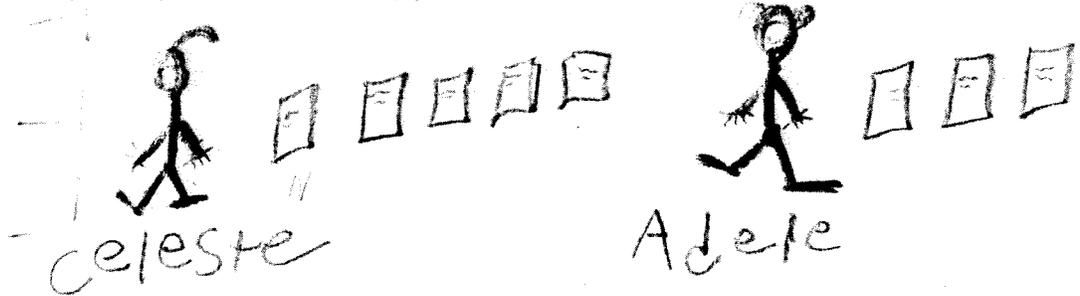
# Grade 3

## Student C

During one week, Celeste read 5 books and her sister Adele read 3 books. ✓

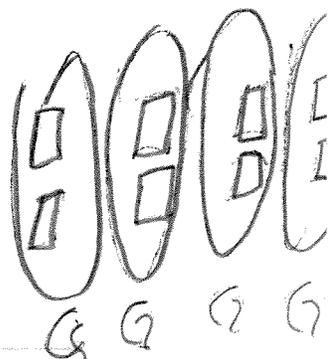
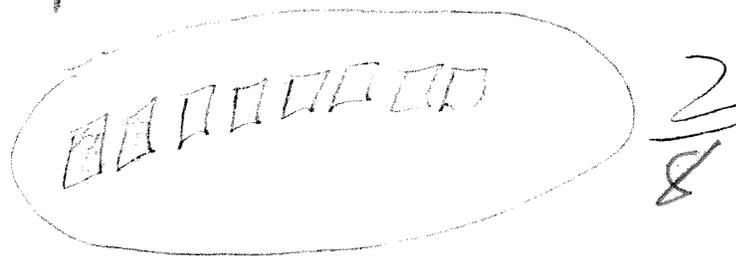
- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
  - The rest of the books Celeste and Adele read were fiction.
- 1) How many non-fiction books did the sisters read last week?
  - 2) How many fiction books did the sisters read last week?

Be sure to explain your work using pictures, words, and symbols.



2 books were nonfiction and 8 books were fiction

? =  $\frac{1}{4}$  of 8 is 2 books



# Grade 3

## Student D

During one week, Celeste read 5 books and her sister Adele read 3 books.

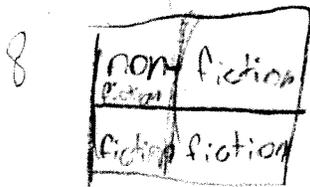
- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
- The rest of the books Celeste and Adele read were fiction.

1) How many non-fiction books did the sisters read last week?

2) How many fiction books did the sisters read last week?

Be sure to explain your work using pictures, words, and symbols.

1.



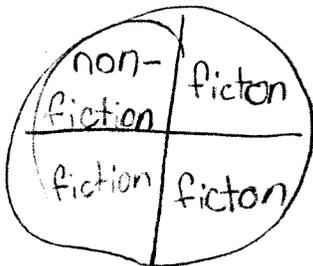
they read 2 non-fiction books



answer: 2

$\frac{2}{8}$  two eighths

2.



They read 6 fiction books



answer: 6

$\frac{6}{8}$  six eighths

# Grade 3

## Student E

During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
- The rest of the books Celeste and Adele read were fiction.

1) How many non-fiction books did the sisters read last week?

2 nonfiction books

2) How many fiction books did the sisters read last week?

6 fiction books

Be sure to explain your work using pictures, words, and symbols.

To find out what  $\frac{1}{4}$  of 8 was I divided. To find out how many fiction books I subtracted.

$$5 + 3 = 8$$

$$\begin{array}{r} 8 \\ \div 4 \\ \hline 2 \end{array} \quad \begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$$

# Grade 3

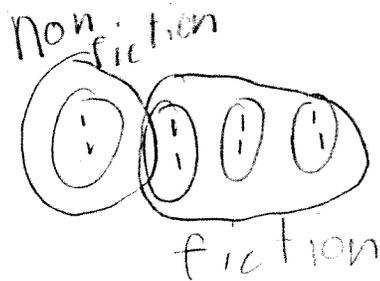
## Student F

During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
  - The rest of the books Celeste and Adele read were fiction.
- 1) How many <sup>2</sup> non-fiction books did the sisters read last week?
  - 2) How many <sup>6</sup> fiction books did the sisters read last week?

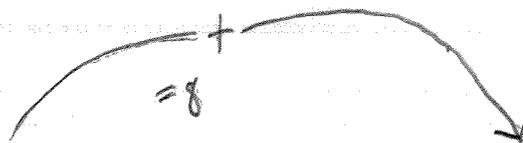
Be sure to explain your work using pictures, words, and symbols.

C 5    A 3     $5 + 3 = 8 \div 4 = 2$



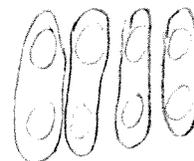
# Grade 3

## Student G



During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.  
2 of the books were nonfiction



- The rest of the books Celeste and Adele read were fiction.

1) How many non-fiction books did the sisters read last week?

They read 4 non-fiction



2) How many fiction books did the sisters read last week?

They read 4 books last week

**Be sure to explain your work using pictures, words, and symbols.**

If there is 8 books and 4 of them are non-fiction and the rest are fiction. How many books are fiction?

$$\begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array} \quad \frac{4}{4} - \frac{1}{2} = \frac{1}{2} \text{ So}$$

# Grade 3

## Student H

During one week, Celeste read 5 books and her sister Adele read 3 books.

- $\frac{1}{4}$  of the books Celeste and Adele read were nonfiction.
- The rest of the books Celeste and Adele read were fiction.

1) How many non-fiction books did the sisters read last week?

2) How many fiction books did the sisters read last week?

Be sure to explain your work using pictures, words, and symbols.

$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \\ \div \frac{1}{4} \\ \hline 5 \\ + 3 \\ \hline 8 \\ - \frac{1}{4} \\ \hline \end{array}$$

