

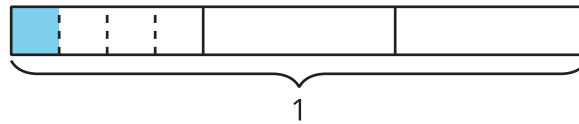
Assessment : Section B Checkpoint

Problem 1

Goals Assessed

- Divide a unit fraction by a whole number using whole-number division concepts.

Statement



1. Write a division expression that represents the shaded piece of the diagram.
2. Write a multiplication expression that represents the shaded piece of the diagram.

Solution

1. $\frac{1}{3} \div 4$
2. $\frac{1}{4} \times \frac{1}{3}$

Problem 2

Goals Assessed

- Divide a whole number by a unit fraction using whole-number division concepts.

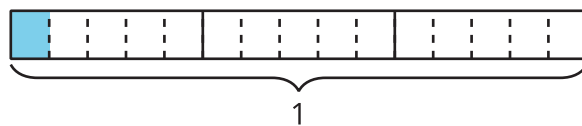
Statement

Find the value of each expression. Draw a diagram if it helps.

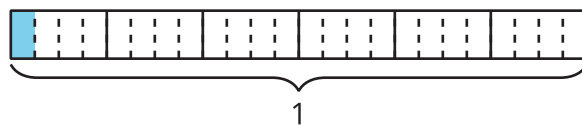
1. $\frac{1}{3} \div 5$
2. $\frac{1}{6} \div 4$
3. $\frac{1}{8} \div 3$

Solution

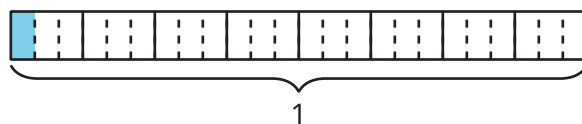
1. $\frac{1}{15}$



2. $\frac{1}{24}$



3. $\frac{1}{24}$



Problem 3

Goals Assessed

- Divide a whole number by a unit fraction using whole-number division concepts.

Statement

There are 12 books on the top shelf of a book shelf. That is $\frac{1}{6}$ of the total number of books on the bookshelf. How many books are there on the bookshelf? Show or explain your reasoning.

Solution

72 total books. Sample response: I multiplied 12 by 6 to get 72 and 12 is $\frac{1}{6} \times 72$.