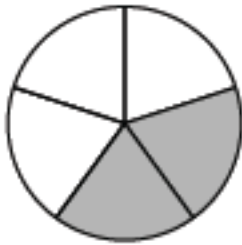


Analyzing Assessment Items

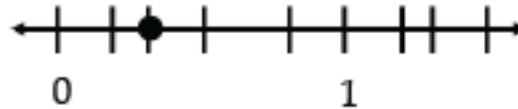
Examining Students' Thinking

Which of the following are correct representations of $\frac{2}{5}$?

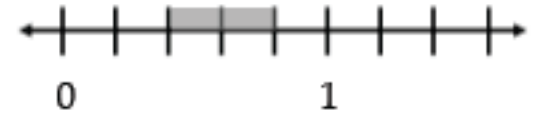
I.



II.



III.



A. I, III only

- Ability to partition Part : Whole
- Notion of $\frac{2}{5}$ as number and magnitude
 - Notion of equal partition

Examining Students Thinking

On Steve's bookshelf, he has 4 books on bugs and 6 books on animals. What percent of his books are about bugs?

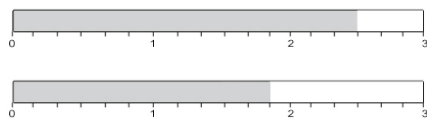
- a. 20%
- b. 40%
- c. 60%
- d. 67%

Sample Items

0042

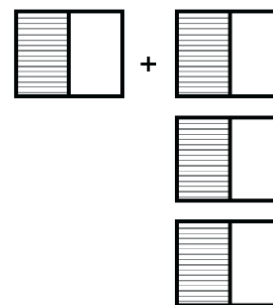
Ralph had $2\frac{3}{6}$ quarts of ice cream. He gave $1\frac{5}{6}$ quarts of ice cream to his friends.

Which equation shows how many quarts of ice cream are left?



- a. $2\frac{3}{6} - 1\frac{5}{6} = \frac{4}{6}$
- b. $2\frac{3}{6} + 1\frac{5}{6} = 4\frac{2}{6}$
- c. $2\frac{3}{6} - 1\frac{5}{6} = 1\frac{2}{6}$
- d. $2\frac{3}{6} + 1\frac{5}{6} = 3\frac{8}{12}$

15. Which of these equations is the correct representation for the given model? (3.3)



- A. $\frac{1}{2} + \frac{3}{2} = \frac{4}{4}$
- B. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{4}{8}$
- C. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 4 \times \frac{1}{2}$
- D. $\frac{1}{2} + \frac{3}{2} = \frac{1}{2} \times 3$

