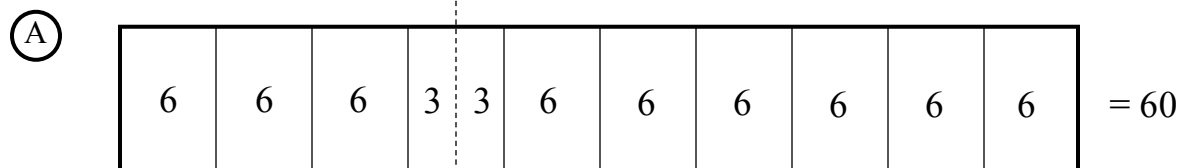


What is 35% of 60?

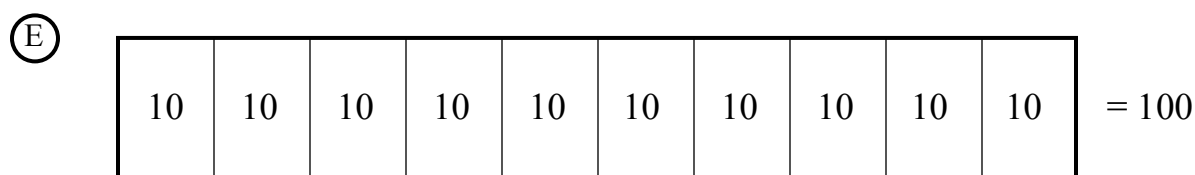
Which of the following responses below are possible solutions to find 35% of 60?



(B)  $x = \frac{35}{100} \bullet 60$

(C)  $60 = 0.35x$

(D)  $\frac{x}{60} = \frac{35}{100}$



### Scoring

2 points: If students selected AB, AD, or BD correctly.

1 point: If students selected A, B, or D correctly.

0 point: If students selected C or E, or A with C, A with E, B with C, B with E, D with C, or D with E.

### Key and Distractor Analysis:

- A. Key. Students show use of a bar model. Students understand that 60 is the whole, and they are trying to find a part of that number. Students correctly decompose the number 60 into 10% parts.
- B. Key. Students change percent to a fraction using direct translation.
- C. Students change 35% into its correct decimal form, but do not set up the percent equation correctly.
- D. Key. Students show finding the part of a whole by using a proportion.
- E. Students think that 100 is the whole and 35 is the part rather than looking for part of 60.

## Ratios and Proportional Relationships

## 6.RP

### Understand ratio concepts and use ratio reasoning to solve problems.

3. Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.

- c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.