

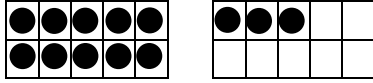
Choose Yes or No to indicate which of the following represent 17.

A. $= 10 + 7$

 Yes

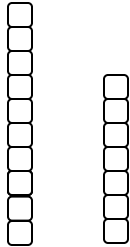
 No

B.


 Yes

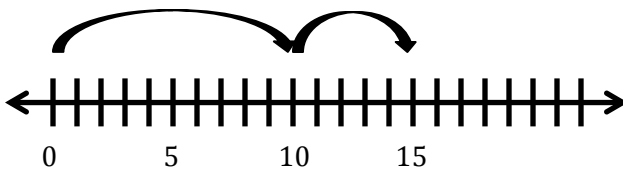
 No

C.


 Yes

 No

D.


 Yes

 No

Scoring:

2 points: Selected A and C only.

1 point: Selected either A or C only.

Selected either A or C and only one other wrong answer.

0 points: Any other combination.

Key and Distractor Analysis:

A. Key. Decompose seventeen into one ten and seven ones.

B. Student probably confused the seven empty rectangles as seven ones.

C. Key. A tower of ten linker cubes and another tower of seven linker cubes.

D. Student might have seen the first jump of ten and assumed the second jump was correct.

Numbers and Operations Base Ten

K.NBT

Work with numbers 11–19 to gain foundations for place value.

1. Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., $18 = 10 + 8$); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.