**GR 3 U1 L2 T3**

**Teacher reference: Tape Diagrams or Bar Models**

The tape diagrams or bar model is an excellent representation for many types of story problems. The use of tape diagrams for modeling the part-part-whole addition and subtraction problems on GR 3 U1 L2 is illustrated below.

Sample Problem #1

There are 11 apples and 16 bananas in the basket. How many pieces of fruit are in the basket?

Apples Bananas

11

16

?

Sample Problem #2

There are 21 pieces of fruit in the basket. 13 are apples and the rest are bananas. How many bananas are in the basket?

Apples Bananas

?

13

21

Sample Problem #3

There are some apples in the basket and 16 bananas. The basket has a total of 21 pieces of fruit. How many apples are in the basket?

Apples Bananas

?

16

21