

Name \_\_\_\_\_ Date \_\_\_\_\_

### Measurement Operation Word Problems – Guided Lesson Explanation

1. Joe's bag is 3 inches longer than Jack's bag, this means to add 3 inches to 18 inches:

$$3 + 18 = 21 \text{ inches}$$

Therefore, Joe's bag is 21 inches long.



2. John stick's is 5 feet long and Christopher's stick is 1 foot longer than the John's stick, this means to add 1 foot to 5 feet:  $1 + 5 = 6$  feet

Alex's stick is 0.5 feet shorter than the John's stick, this means to subtract 0.5 feet from 5 feet:  $5 - 0.5 = 4.5$  feet

Therefore Alex's stick (4.5 feet) is the only stick under 5 feet.

3. The starting size poster is Alice's poster. We are told that it is 30 inches. 30 inches is the starting size poster.

We are then told that Alice's poster is 2 inches taller.

$$30 \text{ inches} + 2 \text{ inches} = 32 \text{ inches} \quad (\text{Alice's poster is 2 inches taller})$$

We are then told that Michelle's poster is 4 inches shorter.

$$32 \text{ inches} - 4 \text{ inches} = 28 \text{ inches} \quad (\text{Michelle's poster is 4 inches shorter})$$

