

Name _____

Date _____

Length Sums and Differences Word Problems Guided Lesson Explanation

Explanation to #1

"Who has the shortest bed?"

1) Kevin's bed is 6 feet long

Jason's bed is 1 foot shorter than Kevin's:

$$6 - 1 = 5 \text{ (Jason's bed)}$$

So, Jason's bed is 5 feet long.

Brian's bed is 2 feet longer than Kevin's:

$$6 + 2 = 8 \text{ (Brian's bed)}$$

So, Brian's bed is 8 feet long.

Jason's bed is shorter than Kevin's. Brian's bed is longer than Kevin's. Jason's bed is shorter than both Brian's and Kevin's. Jason has the shortest bed.

We can also find out "who has the shortest bed?" by using the given scale.

Explanation to #2

Step 1) We have to find out who has the longer car key.

Step 2a) Mary's car key is 5 centimeters long.

Betty's car key is 2 centimeters shorter than Mary's:

$$5 - 2 = 3 \text{ (Betty's car key)}$$

So, Betty's car key is 3 centimeters long.

Step 2b) Betty's house key is 2 centimeters shorter than Mary's. This means that Mary's house key is longer.



Name _____

Date _____

Explanation to #3

“Which school bus is longer than 9 meters?”

Laura's school bus is 9 meters long.

James's school bus is 2 meter shorter than Laura's:

$$9 - 2 = 7 \text{ (James's school bus)}$$

So, James's school bus is 7 meters long.

Denial's school bus is 1 meter longer than Laura's:

$$9 + 1 = 10 \text{ (Denial's school bus)}$$

Denial's school bus is 10 meters long. Denial's school bus is longer than 9 meters.

