mathskills4kids

Name: ..... Class: .....

Word problems on customary units of length

1. Dilan's wire for a school project is 16 feet long while Colta's wire is 6 feet shorter than Dilan's. Also , Nicklaus' wire is 2 feet longer than Colta's.

a) How long is Colta's wire?

b) How long is Nicklaus' wire?

c) How much longer is Dilan's wire than Nicklaus'

2. Today, Luisa and her friends decided to measure the lengths of their pencils. Luisa's pencil is 5 inches long. Robin's pencil is 1 inch shorter than Luisa's. Kaiya's pencil is 4 inches longer than Robin's.

a) Whose pencil is the longest?

b) Whose pencil is the shortest?

3. Harry saw three ropes and estimated how long these ropes were. He estimated that rope one was 15 feet long. Rope two was 7 feet long, and rope three was 2 feet longer than rope one.

a. How long was rope three?

b. How much longer was rope one than rope two?

c. How much longer was rope three than rope two?

4. Rita's fabric is 18 yards long. If Tunde's fabric is 5 yards shorter than Rita's fabric and Sunrise's fabric is 11 yards longer than Rita's fabric,

a. How long was Sunrise's fabric?

b. How long was Tunde's fabric?

5. Yesterday, Haruna drove 23 miles to his orchard. Today, he drove 31 miles to another town. How many more miles did he drive today than yesterday?

6. Square A has an area of 20 inches, and Square B has an area of 39 more inches than Square A. What is the area of Square B?

Solution

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Word problems on customary units of length

1. Dilan's wire for a school project is 16 feet long while Colta's wire is 6 feet shorter than Dilan's. Also , Nicklaus' wire is 2 feet longer than Colta's.

a) How long is Colta's wire?

Length of Dilan's wire = 16 feet.

Length of Colta's wire compared to Dilan's wire = 6 feet shorter.

Therefore, length of colta's wire =

length of Dilan's wire – length of Colta's wire compared to Dilan's wire.

16 - 6 = 10 feet

So, Colta's wire is 10 feet long.

b) How long is Nicklaus' wire?

Length of Colta's wire = 10 feet.

Length of Nicklaus' wire compared to Colta's wire = 2 feet longer.

Therefore, length of Nicklaus' wire =

length of Colta's wire + length of Nicklaus' wire compared to Colta's wire.

10 + 2 = 12 feet

c) How much longer is Dilan's wire than Nicklaus'

Length of Dilan's wire = 16 feet.

Length of Nicklaus' wire = 12feet.

Therefore, how much longer Dilan's wire is than Nicklaus' =

length of Dilan's wire – length of Nicklaus' wire.

16 - 12 = 4 feet

So, Dilan's wire is 4 feet longer than Nicklaus' wire.

2. Today, Luisa and her friends decided to measure the lengths of their pencils. Luisa's pencil is 5 inches long. Robin's pencil is 1 inch shorter than Luisa's. Kaiya's pencil is 4 inches longer than Robin's.

a) Whose pencil is the longest? Kaiya's pencil is the longest.

b) Whose pencil is the shortest? Robin's pencil is the Shortest.