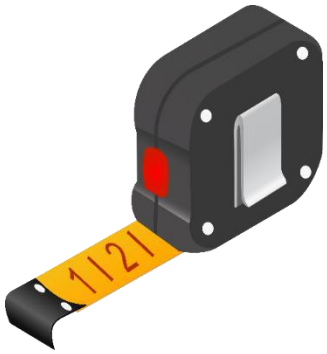
Length word problems (customary units)

Grade 5 Word Problems Worksheet

1. Each bolster pillow is 36 inches long. If the sewer is going to add 2 inches of ruffle to both ends of each pillow, how long is the piece of fabric the sewer needs to cover 5 bolster pillows? Express your answer in feet and inches.

2. John needs lumber 7 feet, 8 inches long to repair the cabin door. He has 95 inches of lumber and 4 feet of rope. Does he have enough lumber?

3. 6 feet of packing tape is needed to seal a shipping box. How many boxes can be sealed with 44 yards of packing tape?



4. Mike's fishing line is 200 yards long. At first, he only cast 125 feet of the line. A 2-foot-long tuna took the bait, so he let out another 130 feet of fishing line. In yards, how much of the fishing line is left in the reel?

5. To sew a pair of jeans, 600 feet of thread is needed. How many pairs of jeans can be made using 3 spools of thread, each of which is 1,200 yards long?

6. Each roll of packing tape is 44 yards long. A box of packing tape contains 60 rolls. In total, there are about _____ feet of packing tape.

   a. 8
   b. 800
   c. 8,000

Answers

1. 36 + 2 + 2 = 40
   40 x 5 = 200 inches
   200 inches= 16 feet 8 inches
   The sewer needs 16 feet, 8 inches of fabric.

2. 95 inches = 7 feet 11 inches
   7 feet 11 inches > 7 feet and 8 inches
   There is enough lumber.

3. 44 yards = 132 feet
   132 ÷ 6 = 22
   44 yards of packing tape can seal 22 boxes.

4. 200 x 3 = 600 feet
   600 – 125 – 130 = 345 feet or 115 yards

5. 3 x 1,200 = 3,600 yards
   3,600 yards = 10, 800 feet
   10,800 feet ÷ 600 = 18
   18 pairs of jeans can be made with 3 spools of thread.

6. c