## Length (inches)

Ashley is helping her sister, Emily, to do her hair. Ashley has three pieces of ribbon: a 15-inch long red ribbon, an 8-inch long yellow ribbon and a 12-inch long purple ribbon.

1. Which piece of ribbon is the shortest?

2. Compared to the red one, how much shorter is the yellow one?

3. What is the total length of the ribbons?

4. To do Emily's hair, Ashley need at least 14 inches of ribbon. Which color should Ashely use?

5. Ashley finds a piece of blue ribbon in her drawer and it is 20 inches long. How much longer is this blue ribbon than the longest ribbon that she has?

6. She decides to cut the purple ribbon into two pieces. If one of the pieces is 4 inches long, how long is the other piece?

**Answers**

1.  The yellow ribbon is the shortest.

2.  $15 - 8 = 7$
    The yellow one is 7 inches shorter than the red one.

3.  $15 + 8 + 12 = 35$
    The total length of ribbons is 35 inches.

4.  Red.

5.  $20 - 15 = 5$
    The blue ribbon is 5 inches longer than the longest ribbon (red).

6.  $12 - 4 = 8$
    The other piece of ribbon is 8 inches long.