




Name _____

Date _____ Period _____

Beaded Necklace

You will design beaded necklaces using the beads shown in the chart.

Bead	Length
 Bugle	$\frac{9}{20}$ cm
 Crow	$\frac{9}{10}$ cm
 Tube	$\frac{2}{5}$ cm

Each necklace has a clasp that is $\frac{9}{10}$ cm long. Make sure to include this measurement in each necklace made. The clasp does not add any extra cost to each necklace.

1. How long is a necklace with 48 Bugle beads and 24 Tube beads? Show your organized work.

2. How long is a necklace with 18 Bugle beads, 18 Crow beads, and 18 Tube beads?
Show your organized work.

3. How much would **each** necklace cost to make in #1 and #2 if a Bugle bead costs \$0.10, a Crow bead costs \$0.50 and a Tube bead costs \$0.25? Show your organized work.

Work for necklace from question #1

Work for necklace from question #2

4. You want to make a necklace 38 centimeters or longer. You have 26 Bugle beads, 18 Crow beads and 16 Tube beads.

a) Do you have enough beads? Show your organized work.

b) If not, what is the least amount of Bugle beads you need to add to make the necklace?
Show your organized work.

c) Explain how you found the answer.