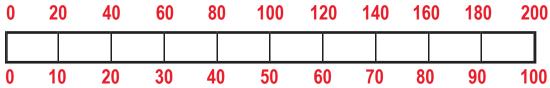
Name:
Finding the Whole Using Tape Diagrams
Example: Thirty percent of the group likes chocolate ice cream the best. If 60 people picked chocolate, how many people were in the group?
Step 1: Since we are working with 30%, it might be easiest to look at the whole group broken into 10s.
Step 2: Label the bottom with the percents. Step 3: At 30%, label 60 people on the top. Step 4: Divide 60 by 3 to find out what would be at the 10% mark. 60 ÷ 3 Step 5: You can label this amount above the 10% mark and then count up by the same number until you get to 100%. Step 6: The number at 100% represents the whole group that was questioned 1. A survey was conducted and the results showed that 75% of the group voted for vanilla ice cream. If 900 people voted for vanilla, how many were surveyed? Draw a tape diagram to represent your answer.
2. At the local ice cream shop, 36 people ordered a waffle cone. If this represents 90% of the customers that visited the shop that day, how many total customers did they serve? Draw a tape diagram to represent your answer.
3. 80% of the kids at a birthday party wanted sprinkles on their ice cream sundae. If 16 kids wanted sprinkles, how many kids were at the birthday party?

Name: _____

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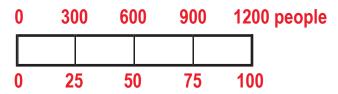
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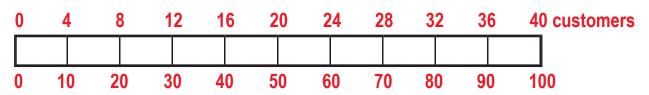
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