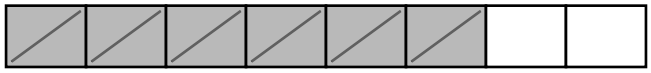
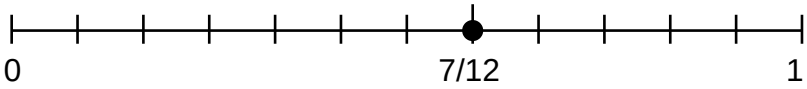
page A: Model the quotient

Directions: For each problem, show the total amount and outline each group you can make. Name the unit of the quotient. You can draw, use counters, or explain your grouping in words.

1. You have **3/4 yard** of cord. Each loop uses **1/8 yard**. Your strip shows one yard divided into eight equal cells, with the first six shaded. How many loops can you make? Write an equation and tell what one outlined group represents.



2. You have **7/12 liter** of water. A full jar holds **1/3 liter**. Your number line runs from 0 to 1 liter in equal twelfth-liter steps, with 7/12 marked. Start at 0 and mark any full 1/3-liter jumps within the water you have. Then show the partial jump to 7/12. How many jarfuls of water do you have, counting a partial jar? How many **full** jars can you fill? How many liters are left after filling the full jars?



3. A team has **3/10 kilogram** of clay. A full tray takes **2/5 kilogram**. Your strip shows one kilogram divided into ten equal cells, with the first three shaded. Use the strip to show what fraction of a tray the team can fill. Why is the answer less than one tray?

