

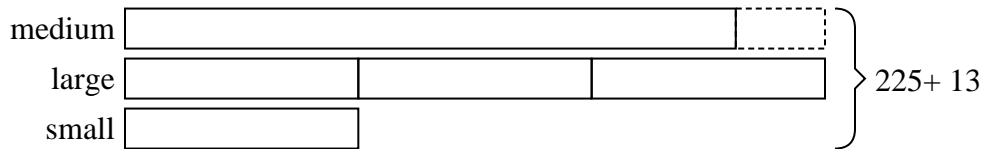




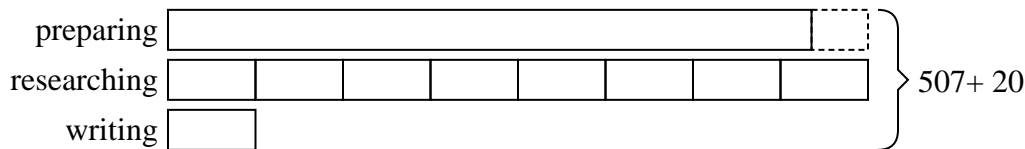
Solve each problem using a tape diagram.

**Answers**

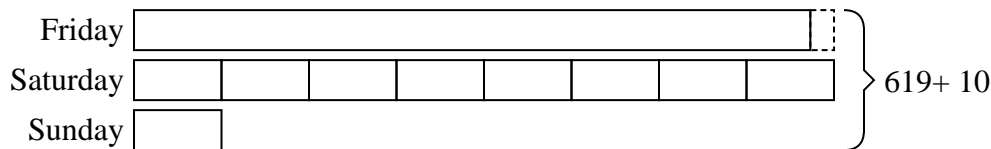
- 1) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 225 sodas. They sold  $\frac{1}{3}$  as many small sodas as they did large sodas. And they sold 13 fewer medium sodas as they did large sodas. How many small sodas did they sell?

1. **34**2. **228**3. **37**4. **180**5. **23**

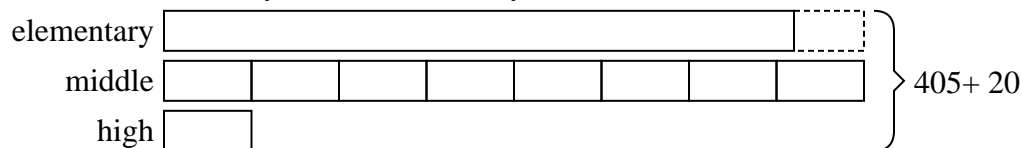
- 2) Robin spent 507 minutes working on her report. She spent 8 times as long researching the topic as she did writing the paper. She also spent 20 minutes less than the time she spent researching just preparing material. How much time did she spend preparing?



- 3) Over the holiday weekend a game store sold 619 games. On Saturday they sold 8 times as many games as on Sunday. And on Friday they sold 10 fewer games than on Saturday. How many games did they sell on Sunday?



- 4) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned \$405. The middle school ended up earning 8 times as much as the high school and the elementary earned \$20 fewer than the high school. How much money did the elementary school earn?



- 5) Tiffany sent 379 text messages over the summer. In July she sent 8 times as many as she did in August. And in June she sent 12 fewer than in July. How many texts did she send in August?

