Solve each problem using a tape diagram.

1) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 530 sodas. They sold 1/5 as many small sodas as they did large sodas. And they sold 20 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

1. _____

2. _____

3. _____

4. _____

2) Luke earned $403 mowing lawns over the summer. In July he earned 6 times as much as he did in August. And in June he earned 13 dollars fewer than in July. How much money did he earn in July?

5. _____

3) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $249. The middle school ended up earning 5 times as much as the high school and the elementary earned $15 fewer than the high school. How much money did the high school earn?

4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 466 cartons. They gave out 5 times as many chocolate as regular and they gave out 18 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?
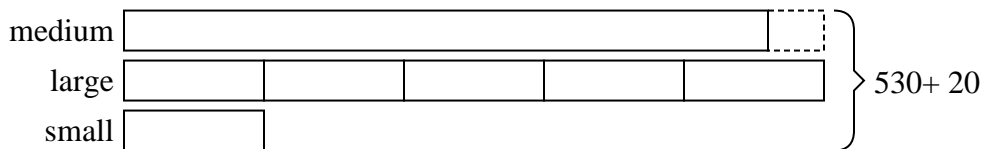
5) Over the holiday weekend a game store sold 360 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 20 fewer games than on Saturday. How many games did they sell on Sunday?
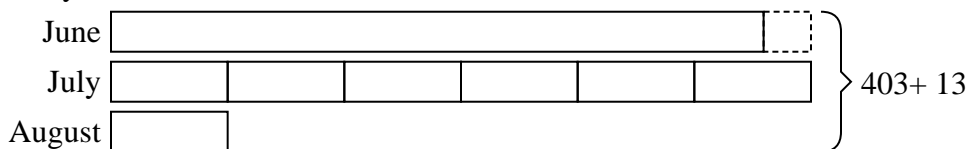
Name:

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 530 sodas. They sold 1/5 as many small sodas as they did large sodas. And they sold 20 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

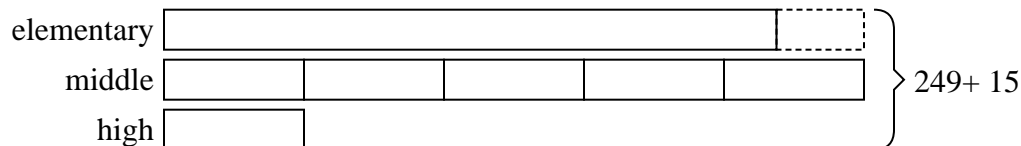medium ⌐ ⌐
large
small

530+ 20

1. **230**

2. **192**

2) Luke earned $403 mowing lawns over the summer. In July he earned 6 times as much as he did in August. And in June he earned 13 dollars fewer than in July. How much money did he earn in July?
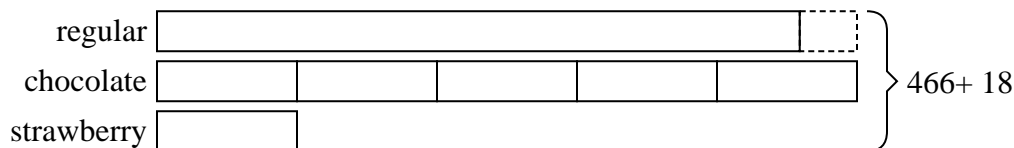
June
July
August

403+ 13

3. **24**

4. **220**

3) The elementary, middle and high schools were competing to see who could earn the most money fund raising. Together they earned $249. The middle school ended up earning 5 times as much as the high school and the elementary earned $15 fewer than the high school. How much money did the high school earn?
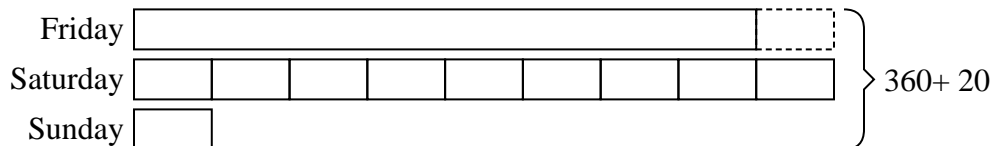
elementary
middle
high

249+ 15

5. **20**

4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 466 cartons. They gave out 5 times as many chocolate as regular and they gave out 18 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?

regular
chocolate
strawberry

466+ 18

5) Over the holiday weekend a game store sold 360 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 20 fewer games than on Saturday. How many games did they sell on Sunday?

Friday
Saturday
Sunday

360+ 20

1-5 | 80 | 60 | 40 | 20 | 0