Name:

Solve each problem using a tape diagram.

1) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 9 times as many as he had given to adults. To kids he gave out 9 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 387 balloons all together?

1. _____

2. _____

3. _____

4. _____

2) Mike earned $211 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 20 dollars fewer than in July. How much money did he earn in June?

5. _____

3) Over the holiday weekend a game store sold 405 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 13 fewer games than on Saturday. How many games did they sell on Friday?

4) Carol spent 200 minutes working on her report. She spent 4 times as long researching the topic as she did writing the paper. She also spent 16 minutes less than the time she spent researching just preparing material. How much time did she spend writing?
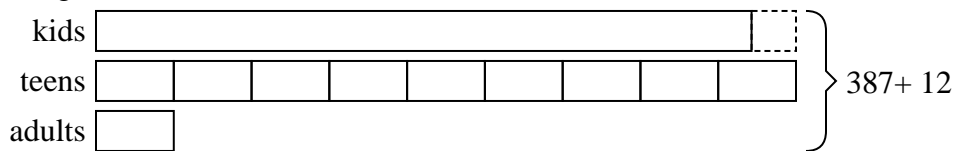
5) Paige, her brother and her sister pooled their money to buy a console and some games. Together they had $480. Paige gave 1/7 as much as her sister and her brother gave $15 fewer than her sister. How much did her sister contribute?
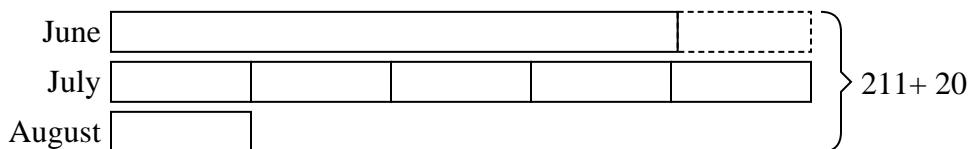
Answer Key

Solve each problem using a tape diagram.

1) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 9 times as many as he had given to adults. To kids he gave out 9 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 387 balloons all together?

kids

teens) 387+ 12

adults

1. **177**

2. **85**

2) Mike earned $211 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 20 dollars fewer than in July. How much money did he earn in June?
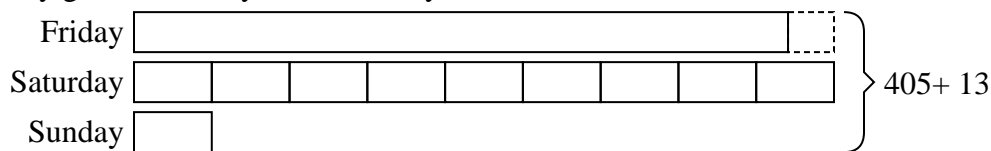
June

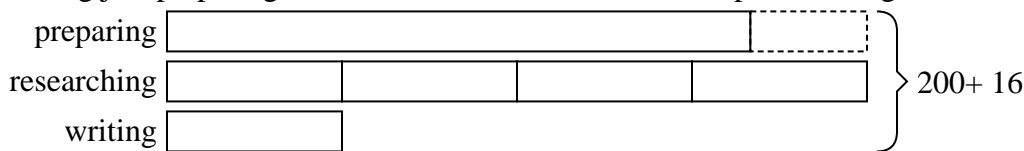July) 211+ 20

August

3. **185**

4. **24**

5. **231**

3) Over the holiday weekend a game store sold 405 games. On Saturday they sold 9 times as many games as on Sunday. And on Friday they sold 13 fewer games than on Saturday. How many games did they sell on Friday?

Friday

Saturday) 405+ 13

Sunday

4) Carol spent 200 minutes working on her report. She spent 4 times as long researching the topic as she did writing the paper. She also spent 16 minutes less than the time she spent researching just preparing material. How much time did she spend writing?

preparing

researching) 200+ 16

writing

5) Paige, her brother and her sister pooled their money to buy a console and some games. Together they had $480. Paige gave 1/7 as much as her sister and her brother gave $15 fewer than her sister. How much did her sister contribute?

her brother

her sister) 480+ 15

Paige

Math

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