



Solve each problem using a tape diagram.

**Answers**

- 1) Janet spent 283 minutes working on her report. She spent 5 times as long researching the topic as she did writing the paper. She also spent 14 minutes less than the time she spent researching just preparing material. How much time did she spend preparing?
  
  
  
  
  
  
  
  
  
  
- 2) Lana, her brother and her sister pooled their money to buy a console and some games. Together they had \$266. Lana gave  $\frac{1}{3}$  as much as her sister and her brother gave \$14 fewer than her sister. How much did her brother contribute?
  
  
  
  
  
  
  
  
  
  
- 3) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 3 times as many as he had given to adults. To kids he gave out 3 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 203 balloons all together?
  
  
  
  
  
  
  
  
  
  
- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 233 cartons. They gave out twice as many chocolate as regular and they gave out 12 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?
  
  
  
  
  
  
  
  
  
  
- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 348 sodas. They sold  $\frac{1}{6}$  as many small sodas as they did large sodas. And they sold 16 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

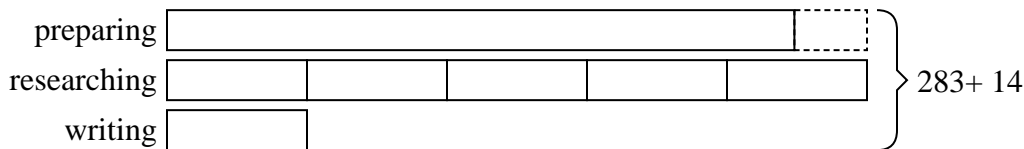
5. \_\_\_\_\_



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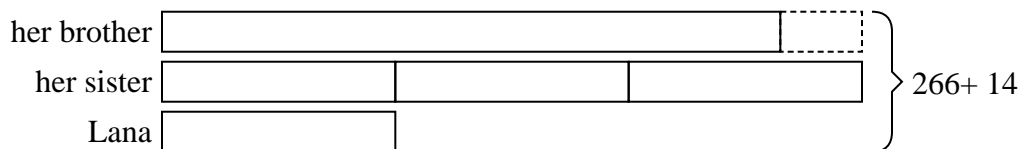
Answers

- 1) Janet spent 283 minutes working on her report. She spent 5 times as long researching the topic as she did writing the paper. She also spent 14 minutes less than the time she spent researching just preparing material. How much time did she spend preparing?



1. 121

- 2) Lana, her brother and her sister pooled their money to buy a console and some games. Together they had \$266. Lana gave 1/3 as much as her sister and her brother gave \$14 fewer than her sister. How much did her brother contribute?



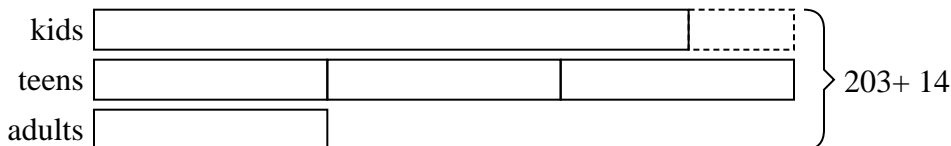
2. 106

3. 79

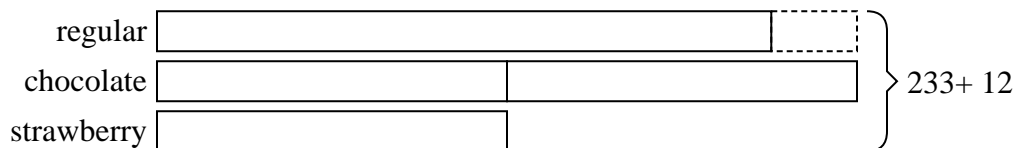
4. 98

5. 152

- 3) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 3 times as many as he had given to adults. To kids he gave out 3 fewer than he gave to teens. How many balloons did he give to kids, if he gave out 203 balloons all together?



- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 233 cartons. They gave out twice as many chocolate as regular and they gave out 12 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?



- 5) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 348 sodas. They sold 1/6 as many small sodas as they did large sodas. And they sold 16 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

