



Solve each problem using a tape diagram.

Answers

- 1) Vanessa sent 343 text messages over the summer. In July she sent 4 times as many as she did in August. And in June she sent 17 fewer than in July. How many texts did she send in July?

- 2) 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 20 fewer medium sodas as they did large sodas. How many medium sodas did they sell?

- 3) Victor earned \$314 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 16 dollars fewer than in July. How much money did he earn in August?

- 4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 8 times as many as he had given to adults. To kids he gave out 8 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 798 balloons all together?

- 5) Amy spent 232 minutes working on her report. She spent 5 times as long researching the topic as she did writing the paper. She also spent 10 minutes less than the time she spent researching just preparing material. How much time did she spend writing?

1. _____

2. _____

3. _____

4. _____

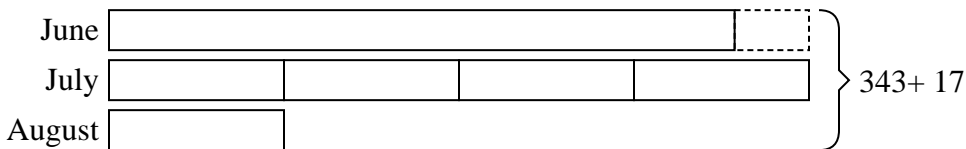
5. _____



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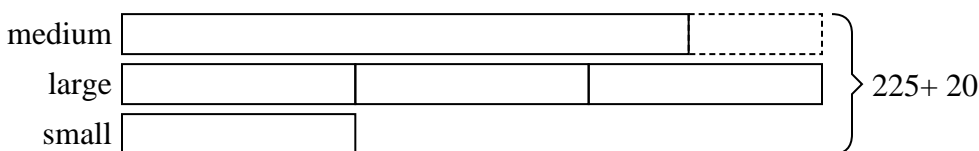
Answers

- 1) Vanessa sent 343 text messages over the summer. In July she sent 4 times as many as she did in August. And in June she sent 17 fewer than in July. How many texts did she send in July?



1. 160

- 2) A theater owner was looking at how many sodas they sold of different sizes in a day. Total they sold 225 sodas. They sold 1/3 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?



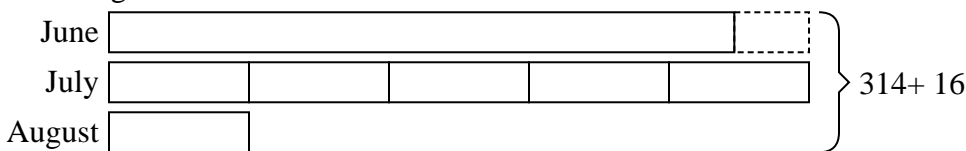
2. 85

3. 30

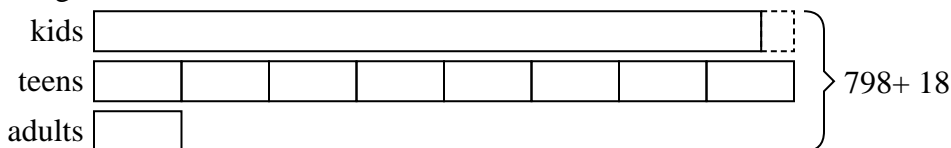
4. 48

5. 22

- 3) Victor earned \$314 mowing lawns over the summer. In July he earned 5 times as much as he did in August. And in June he earned 16 dollars fewer than in July. How much money did he earn in August?



- 4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 8 times as many as he had given to adults. To kids he gave out 8 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 798 balloons all together?



- 5) Amy spent 232 minutes working on her report. She spent 5 times as long researching the topic as she did writing the paper. She also spent 10 minutes less than the time she spent researching just preparing material. How much time did she spend writing?

