

**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 719 sodas. They sold $\frac{1}{8}$ as many small sodas as they did large sodas. And they sold 12 fewer medium sodas as they did large sodas. How many small sodas did they sell?

- 2) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 167 cartons. They gave out twice as many chocolate as regular and they gave out 13 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

- 3) Olivia spent 311 minutes working on her report. She spent 3 times as long researching the topic as she did writing the paper. She also spent 18 minutes less than the time she spent researching just preparing material. How much time did she spend writing?

- 4) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 7 times as many as he had given to adults. To kids he gave out 7 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 675 balloons all together?

- 5) Sarah, her brother and her sister pooled their money to buy a console and some games. Together they had \$536. Sarah gave $\frac{1}{7}$ as much as her sister and her brother gave \$19 fewer than her sister. How much did her sister contribute?

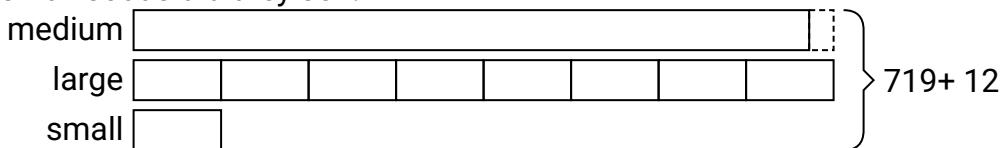
Answers

1. _____
2. _____
3. _____
4. _____
5. _____

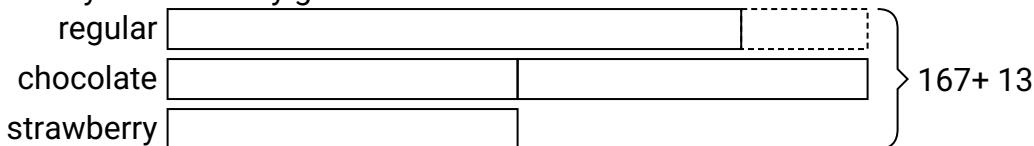


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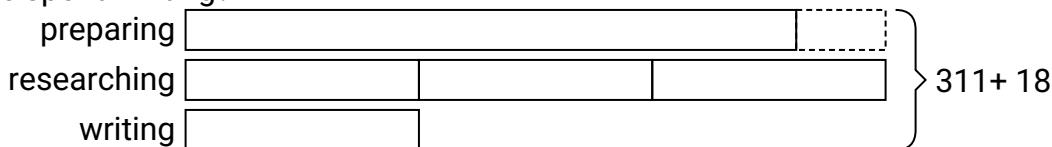
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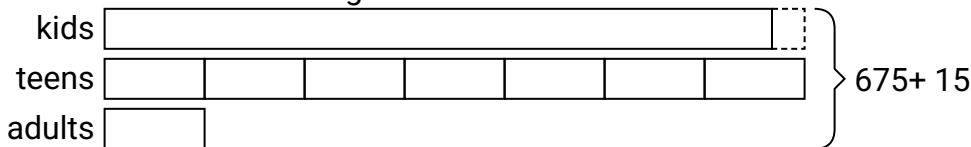
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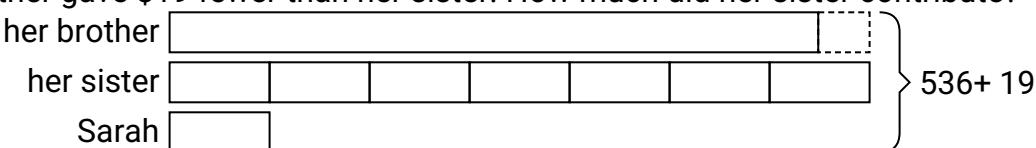
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**Answers**1. **43**2. **36**3. **47**4. **46**5. **259**