

**Solve each problem using a tape diagram.****Answers**

- 1) John earned \$126 mowing lawns over the summer. In July he earned twice as much as he did in August. And in June he earned 14 dollars fewer than in July. How much money did he earn in August?
- 2) Olivia sent 257 text messages over the summer. In July she sent 3 times as many as she did in August. And in June she sent 16 fewer than in July. How many texts did she send in July?
- 3) 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 teens, if he gave out 680 balloons all together?
- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 280 cartons. They gave out 7 times as many chocolate as regular and they gave out 20 fewer strawberry than chocolate. How many cartons of regular milk did they give out?
- 5) Amanda, Bianca and Cathy bake 491 muffins. Bianca bakes 7 times as many muffins as Cathy. Amanda bakes 19 fewer muffins than Bianca. How many muffins did Bianca bake?

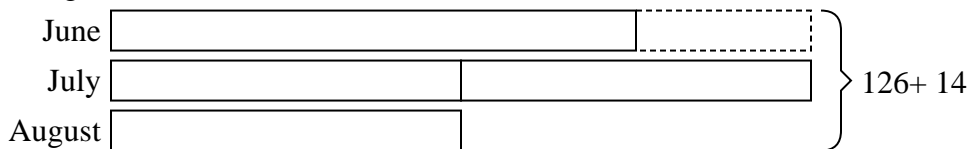
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2. \_\_\_\_\_
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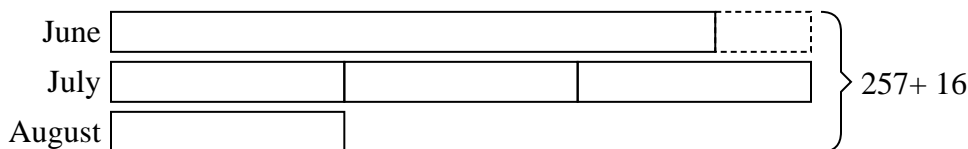
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**Answers**

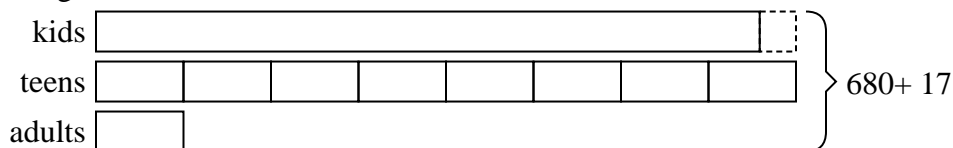
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1. **28**2. **117**3. **328**4. **120**5. **238**

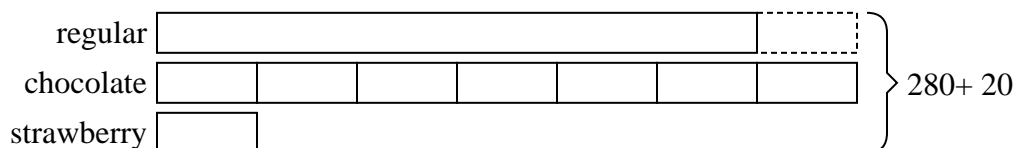
- 2) Olivia sent 257 text messages over the summer. In July she sent 3 times as many as she did in August. And in June she sent 16 fewer than in July. How many texts did she send in July?



- 3) 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 teens, if he gave out 680 balloons all together?



- 4) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 280 cartons. They gave out 7 times as many chocolate as regular and they gave out 20 fewer strawberry than chocolate. How many cartons of regular milk did they give out?



- 5) Amanda, Bianca and Cathy bake 491 muffins. Bianca bakes 7 times as many muffins as Cathy. Amanda bakes 19 fewer muffins than Bianca. How many muffins did Bianca bake?

