Creating Wholes With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) Maria, her brother and her sister pooled their money to buy a console and some games. Together they had $482. Maria gave 1/7 as much as her sister and her brother gave $13 fewer than her sister. How much did Maria contribute?

1. _____

2. _____

3. _____

4. _____

2) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 692 cartons. They gave out 9 times as many chocolate as regular and they gave out 11 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?

5. _____

3) Haley spent 378 minutes working on her report. She spent 4 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 researching?

4) Janet sent 336 text messages over the summer. In July she sent 3 times as many as she did in August. And in June she sent 14 fewer than in July. How many texts did she send in June?

5) 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 kids, if he gave out 509 balloons all together?
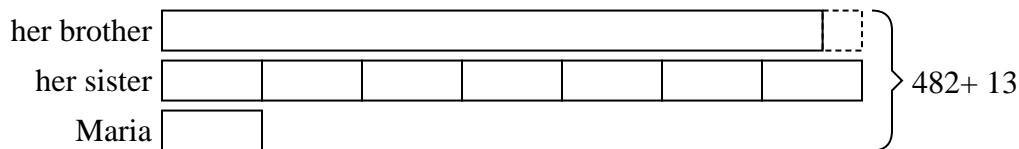
Math   www.CommonCoreSheets.com

Name:

Solve each problem using a tape diagram.

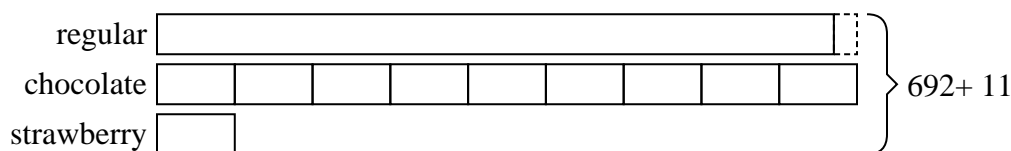**1)** Maria, her brother and her sister pooled their money to buy a console and some games. Together they had $482. Maria gave 1/7 as much as her sister and her brother gave $13 fewer than her sister. How much did Maria contribute?

her brother [   ]

her sister [| | | | | |] } 482+ 13

Maria [   ]

1. ___**33**___

2. ___**333**___

2) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 692 cartons. They gave out 9 times as many chocolate as regular and they gave out 11 fewer strawberry than chocolate. How many cartons of chocolate milk did they give out?
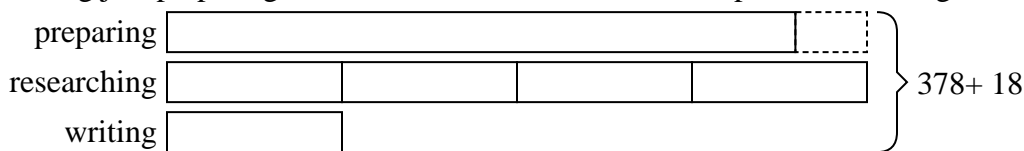
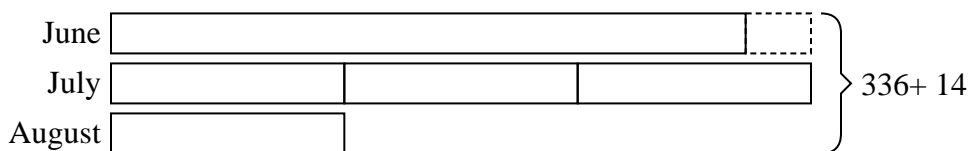regular [   ]

chocolate [| | | | | | |] } 692+ 11

strawberry [   ]

3. ___**176**___

4. ___**136**___

5. ___**230**___

3) Haley spent 378 minutes working on her report. She spent 4 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 researching?

preparing [   ]

researching [| | |] } 378+ 18

writing [   ]

4) Janet sent 336 text messages over the summer. In July she sent 3 times as many as she did in August. And in June she sent 14 fewer than in July. How many texts did she send in June?

June [   ]

July [| |] } 336+ 14

August [   ]

5) 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 kids, if he gave out 509 balloons all together?

kids [   ]

teens [| | | | | | |] } 509+ 18

adults [   ]

Math