Name:

Solve each problem using a tape diagram.

1) Rachel sent 247 text messages over the summer. In July she sent 6 times as many as she did in August. And in June she sent 13 fewer than in July. How many texts did she send in July?

1. _____

2. _____

3. _____

4. _____

2) Kaleb earned $378 mowing lawns over the summer. In July he earned 4 times as much as he did in August. And in June he earned 18 dollars fewer than in July. How much money did he earn in July?

5. _____

3) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 6 times as many as he had given to adults. To kids he gave out 6 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 431 balloons all together?

4) Janet, her brother and her sister pooled their money to buy a console and some games. Together they had $120. Janet gave 1/2 as much as her sister and her brother gave $20 fewer than her sister. How much did her brother contribute?
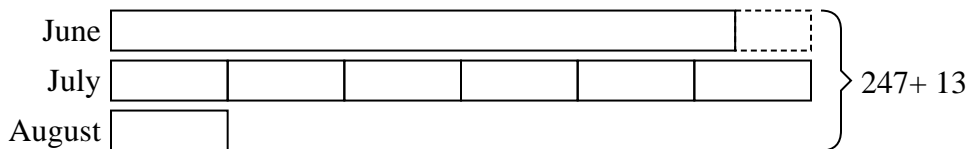
5) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 278 cartons. They gave out 3 times as many chocolate as regular and they gave out 16 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

Math

1-5 | 80 | 60 | 40 | 20 | 0

Solve each problem using a tape diagram.

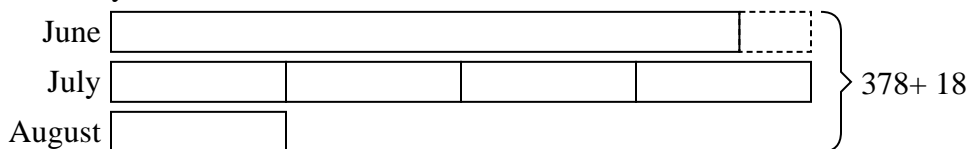**1)** Rachel sent 247 text messages over the summer. In July she sent 6 times as many as she did in August. And in June she sent 13 fewer than in July. How many texts did she send in July?
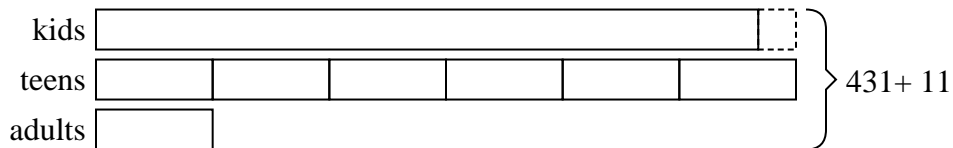
June [   ]
July [| | | | |] } 247+ 13
August [   ]

1. ___**120**___

2. ___**176**___

2) Kaleb earned $378 mowing lawns over the summer. In July he earned 4 times as much as he did in August. And in June he earned 18 dollars fewer than in July. How much money did he earn in July?
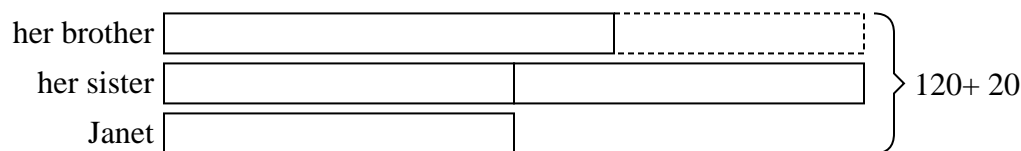
June [   ]
July [| | |] } 378+ 18
August [   ]

3. ___**34**___

4. ___**36**___

5. ___**42**___

3) At the fair a vendor counted the number of balloons he gave away to kids, teens and adults. To teens he handed out 6 times as many as he had given to adults. To kids he gave out 6 fewer than he gave to teens. How many balloons did he give to adults, if he gave out 431 balloons all together?
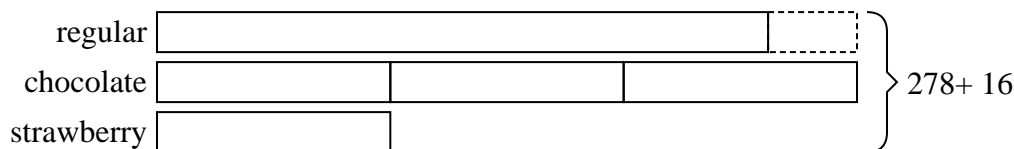
kids [   ]
teens [| | | | |] } 431+ 11
adults [   ]

4) Janet, her brother and her sister pooled their money to buy a console and some games. Together they had $120. Janet gave 1/2 as much as her sister and her brother gave $20 fewer than her sister. How much did her brother contribute?

her brother [   ]
her sister [|] } 120+ 20
Janet [   ]

5) The cafeteria offered three types of milk: regular, chocolate and strawberry. On Friday they gave out 278 cartons. They gave out 3 times as many chocolate as regular and they gave out 16 fewer strawberry than chocolate. How many cartons of strawberry milk did they give out?

regular [   ]
chocolate [| |] } 278+ 16
strawberry [   ]