Multiples and Differences With Tape Diagram   Name: _____

Solve each problem using a tape diagram.

1) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 22 cans. And Bobby collected 10 more cans than Alice. How many cans did they collect total?

1. _____

2. _____

3. _____

4. _____

2) Amy, Billy and Carl were working on a school project. Amy spent 15 minutes on her portion. Billy spent 5 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?
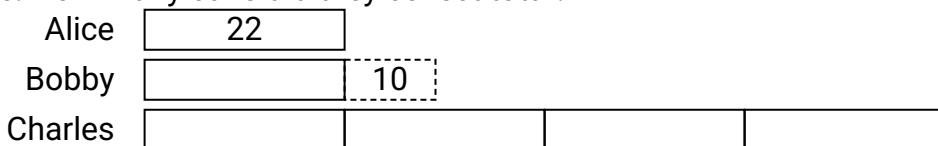
5. _____

3) Henry was reading a book. He read 19 pages on Monday and 6 times as many pages on Tuesday. On Wednesday he read 3 fewer pages than the amount he read on Tuesday. How many pages did he read total?

4) On Monday morning a store had 11 customer. In the afternoon they had 10 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?
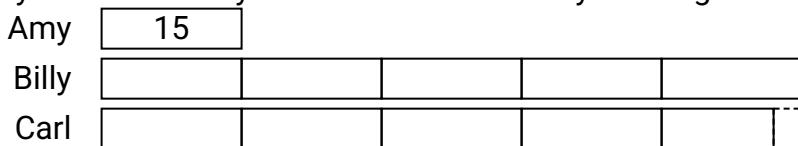
5) In one day Paul's Pizza Palace sold 30 sausage pizzas. They sold 7 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

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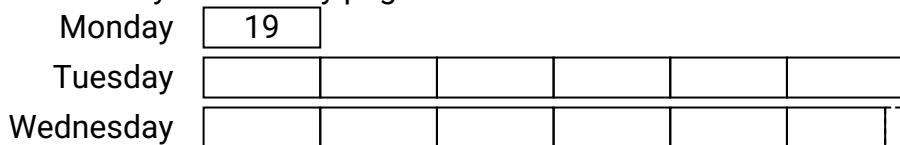**Solve each problem using a tape diagram.**

Answers

1) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 22 cans. And Bobby collected 10 more cans than Alice. How many cans did they collect total?
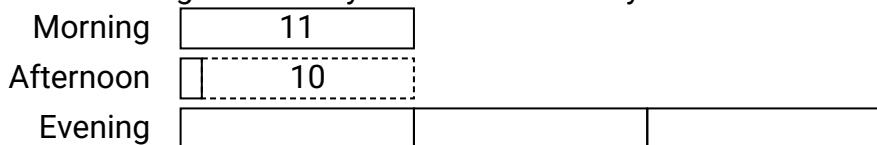
Alice | 22
Bobby | | 10
Charles | | | |

1. __**142**__

2) Amy, Billy and Carl were working on a school project. Amy spent 15 minutes on her portion. Billy spent 5 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?
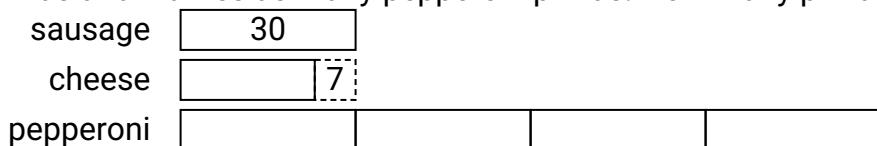
Amy | 15
Billy | | | | | |
Carl | | | | | |

2. __**162**__

3) Henry was reading a book. He read 19 pages on Monday and 6 times as many pages on Tuesday. On Wednesday he read 3 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday | 19
Tuesday | | | | | | |
Wednesday | | | | | | |

3. __**244**__

4) On Monday morning a store had 11 customer. In the afternoon they had 10 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?

Morning | 11
Afternoon | | 10
Evening | | | |

4. __**45**__

5) In one day Paul's Pizza Palace sold 30 sausage pizzas. They sold 7 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage | 30
cheese | | 7
pepperoni | | | |

5. __**173**__