

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

- 1) Katie's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 10 times as many TVs as Danny. Edward sold 4 fewer than Frank. And Danny sold 17 TVs. How many TVs did they sell total?

- 2) On Monday morning a store had 25 customer. In the afternoon they had 10 fewer customers than the morning. In the evening they had 2 times as many customers as the morning. How many customers did they have total?

- 3) A musician spent 18 hours practicing in January. In February he practiced for 8 hours longer than he did in January. Then in March he practiced for 3 times as long as January. How hours did he spend practicing?

- 4) Amy, Billy and Carl were working on a school project. Amy spent 30 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 2 minutes fewer than Billy did. How many minutes total were they working?

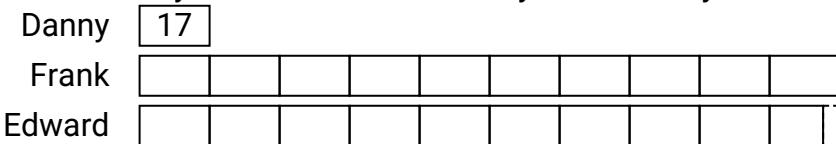
- 5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 30. Bianca defeated 10 more than Aaron. And Cathy defeated 4 times as many as Aaron. How many enemies did they defeat total?

Answers

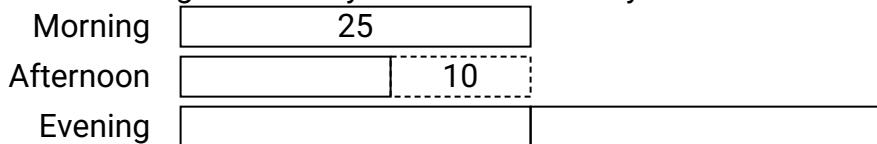
1. _____
2. _____
3. _____
4. _____
5. _____

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

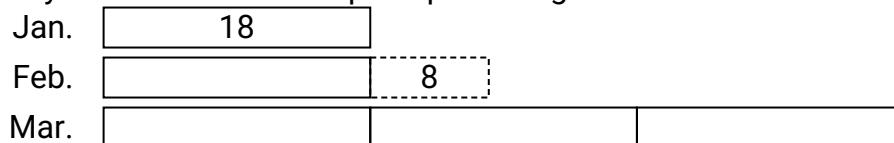
1) Katie's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 10 times as many TVs as Danny. Edward sold 4 fewer than Frank. And Danny sold 17 TVs. How many TVs did they sell total?



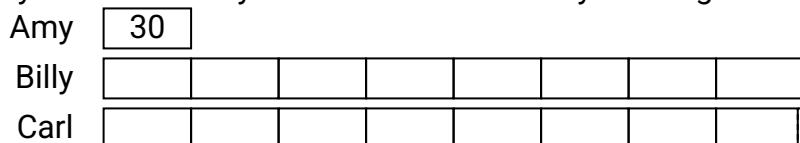
2) On Monday morning a store had 25 customer. In the afternoon they had 10 fewer customers than the morning. In the evening they had 2 times as many customers as the morning. How many customers did they have total?



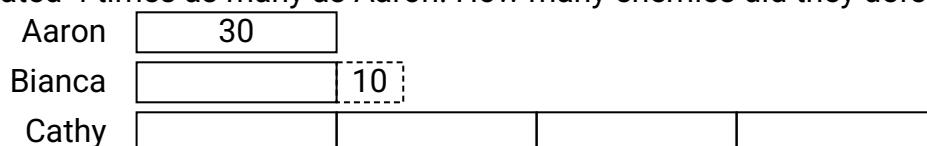
3) A musician spent 18 hours practicing in January. In February he practiced for 8 hours longer than he did in January. Then in March he practiced for 3 times as long as January. How hours did he spend practicing?



4) Amy, Billy and Carl were working on a school project. Amy spent 30 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 2 minutes fewer than Billy did. How many minutes total were they working?



5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 30. Bianca defeated 10 more than Aaron. And Cathy defeated 4 times as many as Aaron. How many enemies did they defeat total?

**Answers**1. **353**2. **90**3. **98**4. **508**5. **190**