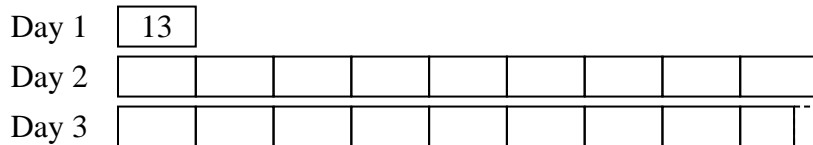Multiples and Differences With Tape Diagram   Name: _____
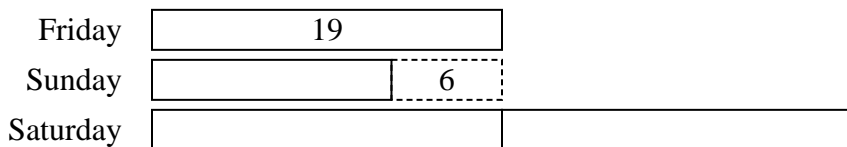
Solve each problem using a tape diagram.

1) Tiffany created an app that she put on the app store. In the first day 13 people downloaded it. On the second day she had 9 times as many downloads. On the third day she had 4 fewer downloads than day 2. How many people downloaded the app in the first 3 days?

1. _____

2. _____

3. _____

4. _____

2) On Friday a game store sold 19 copies of the new Mario game. On Saturday they sold 2 times as many as on Friday. And then on Sunday they sold 6 less than the amount on Friday. How many did they sell total?

5. _____

3) Rachel was organizing her pictures on her computer. In folder 1 she had 26 pictures. In folder 2 she had 8 more pictures than folder 1. And in folder 3 she had 5 times as many pictures as folder 1. How many pictures does she have total?

4) In April, Larry's Lawn Care mowed 13 lawns. They mowed 2 times as many in May and 6 fewer in June. How many lawns did they mow over those three months?

5) A musician spent 15 hours practicing in January. In February he practiced for 9 hours longer than he did in January. Then in March he practiced for 4 times as long as January. How hours did he spend practicing?

Math

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

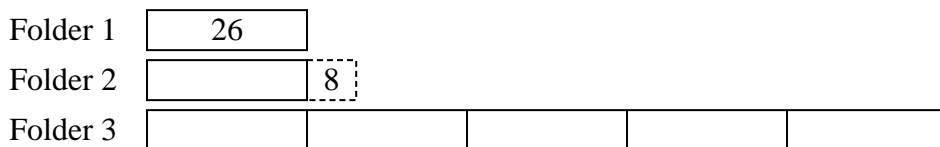**Solve each problem using a tape diagram.**

Answers

1) Tiffany created an app that she put on the app store. In the first day 13 people downloaded it. On the second day she had 9 times as many downloads. On the third day she had 4 fewer downloads than day 2. How many people downloaded the app in the first 3 days?
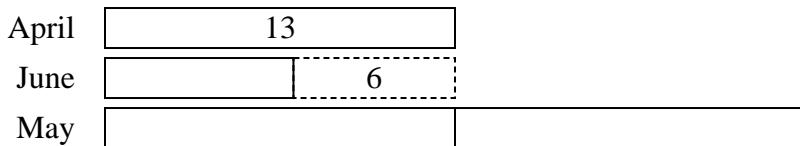
Day 1 | 13 |

Day 2 (tape diagram)

Day 3 (tape diagram)

1. _____ **243**

2. _____ **70**

3. _____ **190**

4. _____ **46**

5. _____ **99**

2) On Friday a game store sold 19 copies of the new Mario game. On Saturday they sold 2 times as many as on Friday. And then on Sunday they sold 6 less than the amount on Friday. How many did they sell total?
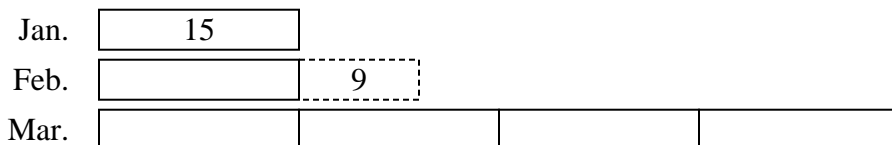
Friday | 19 |

Sunday (tape diagram with 6)

Saturday (tape diagram)

3) Rachel was organizing her pictures on her computer. In folder 1 she had 26 pictures. In folder 2 she had 8 more pictures than folder 1. And in folder 3 she had 5 times as many pictures as folder 1. How many pictures does she have total?

Folder 1 | 26 |

Folder 2 (tape diagram with 8)

Folder 3 (tape diagram)

4) In April, Larry's Lawn Care mowed 13 lawns. They mowed 2 times as many in May and 6 fewer in June. How many lawns did they mow over those three months?

April | 13 |

June (tape diagram with 6)

May (tape diagram)

5) A musician spent 15 hours practicing in January. In February he practiced for 9 hours longer than he did in January. Then in March he practiced for 4 times as long as January. How hours did he spend practicing?

Jan. | 15 |

Feb. (tape diagram with 9)

Mar. (tape diagram)