Multiples and Differences With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) Maria created an app that she put on the app store. In the first day 20 people downloaded it. On the second day she had 7 times as many downloads. On the third day she had 3 fewer downloads than day 2. How many people downloaded the app in the first 3 days?

1. _____

2. _____

3. _____

4. _____

2) A musician spent 15 hours practicing in January. In February he practiced for 7 hours longer than he did in January. Then in March he practiced for 5 times as long as January. How hours did he spend practicing?

5. _____

3) The school book fair sold 28 books on Wednesday. On Friday they sold 3 fewer than Thursday. On Thursday they sold 6 times as many as on Wednesday. How many books did they sell in those three days?

4) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 18 cans. And Bobby collected 5 more cans than Alice. How many cans did they collect total?

5) On Friday a game store sold 30 copies of the new Mario game. On Saturday they sold 4 times as many as on Friday. And then on Sunday they sold 10 less than the amount on Friday. How many did they sell total?

Math

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

Answer Key

Solve each problem using a tape diagram.

Answers

1) Maria created an app that she put on the app store. In the first day 20 people downloaded it. On the second day she had 7 times as many downloads. On the third day she had 3 fewer downloads than day 2. How many people downloaded the app in the first 3 days?

Day 1 | 20 |

Day 2

Day 3

1. **297**

2. **112**

3. **361**

4. **113**

5. **170**

2) A musician spent 15 hours practicing in January. In February he practiced for 7 hours longer than he did in January. Then in March he practiced for 5 times as long as January. How hours did he spend practicing?

Jan. | 15 |

Feb. | | 7 |

Mar.

3) The school book fair sold 28 books on Wednesday. On Friday they sold 3 fewer than Thursday. On Thursday they sold 6 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday | 28 |

Thursday

Friday

4) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 18 cans. And Bobby collected 5 more cans than Alice. How many cans did they collect total?

Alice | 18 |

Bobby | | 5 |

Charles

5) On Friday a game store sold 30 copies of the new Mario game. On Saturday they sold 4 times as many as on Friday. And then on Sunday they sold 10 less than the amount on Friday. How many did they sell total?

Friday | 30 |

Sunday | | 10 |

Saturday