Multiples and Differences With Tape Diagram

Solve each problem using a tape diagram.

1) Paige's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 9 times as many TVs as Danny. Edward sold 2 fewer than Frank. And Danny sold 27 TVs. How many TVs did they sell total?

1. _____

2. _____

3. _____

4. _____

2) Alice, Bobby and Charles were collecting cans. Charles collected 2 times as many cans as Alice. Alice collected 18 cans. And Bobby collected 10 more cans than Alice. How many cans did they collect total?

5. _____

3) In one day Adam's Pizza Palace sold 25 sausage pizzas. They sold 7 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

4) Kaleb was reading a book. He read 27 pages on Monday and 5 times as many pages on Tuesday. On Wednesday he read 4 fewer pages than the amount he read on Tuesday. How many pages did he read total?

5) A musician spent 13 hours practicing in January. In February he practiced for 9 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?

Answer Key

Solve each problem using a tape diagram.

1) Paige's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 9 times as many TVs as Danny. Edward sold 2 fewer than Frank. And Danny sold 27 TVs. How many TVs did they sell total?

Danny | 27 |

Frank

Edward

1.   **511**

2.   **82**

2) Alice, Bobby and Charles were collecting cans. Charles collected 2 times as many cans as Alice. Alice collected 18 cans. And Bobby collected 10 more cans than Alice. How many cans did they collect total?

Alice | 18 |

Bobby | 10 |

Charles

3.   **143**

4.   **293**

5.   **74**

3) In one day Adam's Pizza Palace sold 25 sausage pizzas. They sold 7 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage | 25 |

cheese | 7 |

pepperoni

4) Kaleb was reading a book. He read 27 pages on Monday and 5 times as many pages on Tuesday. On Wednesday he read 4 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday | 27 |

Tuesday

Wednesday

5) A musician spent 13 hours practicing in January. In February he practiced for 9 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?

Jan. | 13 |

Feb. | 9 |

Mar.