



Solve each problem using a tape diagram.

**Answers**

- 1) Amy was organizing her pictures on her computer. In folder 1 she had 18 pictures. In folder 2 she had 10 more pictures than folder 1. And in folder 3 she had 4 times as many pictures as folder 1. How many pictures does she have total?
- 2) Alice, Bobby and Charles were collecting cans. Charles collected 5 times as many cans as Alice. Alice collected 15 cans. And Bobby collected 6 more cans than Alice. How many cans did they collect total?
- 3) The school book fair sold 21 books on Wednesday. On Friday they sold 3 fewer than Thursday. On Thursday they sold 8 times as many as on Wednesday. How many books did they sell in those three days?
- 4) Amy, Billy and Carl were working on a school project. Amy spent 20 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) On Friday a game store sold 17 copies of the new Mario game. On Saturday they sold 3 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?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



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**Answers**

- 1) Amy was organizing her pictures on her computer. In folder 1 she had 18 pictures. In folder 2 she had 10 more pictures than folder 1. And in folder 3 she had 4 times as many pictures as folder 1. How many pictures does she have total?

Folder 1	<input type="text" value="18"/>				
Folder 2	<input type="text"/>	<input type="text" value="10"/>			
Folder 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1. **118**2. **111**3. **354**4. **338**5. **75**

- 2) Alice, Bobby and Charles were collecting cans. Charles collected 5 times as many cans as Alice. Alice collected 15 cans. And Bobby collected 6 more cans than Alice. How many cans did they collect total?

Alice	<input type="text" value="15"/>						
Bobby	<input type="text"/>	<input type="text" value="6"/>					
Charles	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 3) The school book fair sold 21 books on Wednesday. On Friday they sold 3 fewer than Thursday. On Thursday they sold 8 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday	<input type="text" value="21"/>								
Thursday	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 4) Amy, Billy and Carl were working on a school project. Amy spent 20 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?

Amy	<input type="text" value="20"/>								
Billy	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Carl	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 5) On Friday a game store sold 17 copies of the new Mario game. On Saturday they sold 3 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	<input type="text" value="17"/>						
Sunday	<input type="text"/>	<input type="text" value="10"/>					
Saturday	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>