



Solve each problem using a tape diagram.

**Answers**

- 1) Vanessa created an app that she put on the app store. In the first day 25 people downloaded it. On the second day she had 9 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?
- 2) Kaleb was reading a book. He read 28 pages on Monday and 8 times as many pages on Tuesday. On Wednesday he read 2 fewer pages than the amount he read on Tuesday. How many pages did he read total?
- 3) In a school district the elementary school earned \$13 fundraising. The high school earned 4 times as much as the elementary school and the middle school earned \$7 less than the elementary. How much did they earn total?
- 4) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 25 cans. And Bobby collected 7 more cans than Alice. How many cans did they collect total?
- 5) Janet uploaded a video to youtube that was 22 minutes long. The next week she uploaded a video that was 9 minutes longer. Then the following week she uploaded a video that was 5 times as long as the first week. How many minutes did she upload total?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



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**Answers**

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Day 1	<input type="text" value="25"/>									
Day 2	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									
Day 3	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>									

1. **472**2. **474**3. **71**4. **157**5. **163**

- 2) Kaleb was reading a book. He read 28 pages on Monday and 8 times as many pages on Tuesday. On Wednesday he read 2 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday	<input type="text" value="28"/>								
Tuesday	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>								
Wednesday	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>								

- 3) In a school district the elementary school earned \$13 fundraising. The high school earned 4 times as much as the elementary school and the middle school earned \$7 less than the elementary. How much did they earn total?

Elementary	<input type="text" value="13"/>				
Middle	<table border="1"><tr><td></td><td><input type="text" value="7"/></td></tr></table>		<input type="text" value="7"/>		
	<input type="text" value="7"/>				
High	<table border="1"><tr><td></td><td></td><td></td><td></td></tr></table>				

- 4) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 25 cans. And Bobby collected 7 more cans than Alice. How many cans did they collect total?

Alice	<input type="text" value="25"/>				
Bobby	<table border="1"><tr><td></td><td><input type="text" value="7"/></td></tr></table>		<input type="text" value="7"/>		
	<input type="text" value="7"/>				
Charles	<table border="1"><tr><td></td><td></td><td></td><td></td></tr></table>				

- 5) Janet uploaded a video to youtube that was 22 minutes long. The next week she uploaded a video that was 9 minutes longer. Then the following week she uploaded a video that was 5 times as long as the first week. How many minutes did she upload total?

Week 1	<input type="text" value="22"/>					
Week 2	<table border="1"><tr><td></td><td><input type="text" value="9"/></td></tr></table>		<input type="text" value="9"/>			
	<input type="text" value="9"/>					
Week 3	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>					