



Solve each problem using a tape diagram.

Answers

- 1) Faye uploaded a video to youtube that was 13 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?
- 2) On Monday morning a store had 23 customer. In the afternoon they had 5 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?
- 3) A musician spent 30 hours practicing in January. In February he practiced for 8 hours longer than he did in January. Then in March he practiced for 2 times as long as January. How hours did he spend practicing?
- 4) In April, Larry's Lawn Care mowed 10 lawns. They mowed 5 times as many in May and 5 fewer in June. How many lawns did they mow over those three months?
- 5) Amy, Billy and Carl were working on a school project. Amy spent 28 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

1. _____
2. _____
3. _____
4. _____
5. _____



Solve each problem using a tape diagram.

Answers

- 1) Faye uploaded a video to youtube that was 13 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	13				
Week 2		9			
Week 3					

1. **100**

2. **110**

3. **128**

4. **65**

5. **473**

- 2) On Monday morning a store had 23 customer. In the afternoon they had 5 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?

Morning	23			
Afternoon		5		
Evening				

- 3) A musician spent 30 hours practicing in January. In February he practiced for 8 hours longer than he did in January. Then in March he practiced for 2 times as long as January. How hours did he spend practicing?

Jan.	30			
Feb.		8		
Mar.				

- 4) In April, Larry's Lawn Care mowed 10 lawns. They mowed 5 times as many in May and 5 fewer in June. How many lawns did they mow over those three months?

April	10				
June		5			
May					

- 5) Amy, Billy and Carl were working on a school project. Amy spent 28 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

Amy	28						
Billy							
Carl							



Solve each problem using a tape diagram.

- 1) At the fair the ring toss booth took in \$20 the first hour. The second hour they took \$10 less than the first hour. And the third hour they took 5 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.
- 2) In October a pet store sold 27 kittens. In November they sold 8 times as many kittens as in October. Then in December they sold 2 fewer kittens as in November. How many kittens did they sell across the three months?
- 3) Maria was organizing her pictures on her computer. In folder 1 she had 22 pictures. In folder 2 she had 5 more pictures than folder 1. And in folder 3 she had 3 times as many pictures as folder 1. How many pictures does she have total?
- 4) On Friday a game store sold 26 copies of the new Mario game. On Saturday they sold 2 times as many as on Friday. And then on Sunday they sold 7 less than the amount on Friday. How many did they sell total?
- 5) A musician spent 28 hours practicing in January. In February he practiced for 6 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?

Answers

1. _____

2.

3.

4.

5.



Solve each problem using a tape diagram.

Answers

- 1) At the fair the ring toss booth took in \$20 the first hour. The second hour they took \$10 less than the first hour. And the third hour they took 5 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.

First Hour	20
Second Hour	10
Third Hour	

1. **130**2. **457**3. **115**4. **97**5. **202**

- 2) In October a pet store sold 27 kittens. In November they sold 8 times as many kittens as in October. Then in December they sold 2 fewer kittens as in November. How many kittens did they sell across the three months?

October	27
November	
December	

- 3) Maria was organizing her pictures on her computer. In folder 1 she had 22 pictures. In folder 2 she had 5 more pictures than folder 1. And in folder 3 she had 3 times as many pictures as folder 1. How many pictures does she have total?

Folder 1	22
Folder 2	
Folder 3	

- 4) On Friday a game store sold 26 copies of the new Mario game. On Saturday they sold 2 times as many as on Friday. And then on Sunday they sold 7 less than the amount on Friday. How many did they sell total?

Friday	26
Sunday	
Saturday	

- 5) A musician spent 28 hours practicing in January. In February he practiced for 6 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.	28
Feb.	
Mar.	

Solve each problem using a tape diagram.

- 1) Faye'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

- 2) Alice, Bobby and Charles were collecting cans. Charles collected 2 times as many cans as Alice. Alice collected 14 cans. And Bobby collected 8 more cans than Alice. How many cans did they collect total?

Alice

Bobby

Charles

- 3) Janet uploaded a video to youtube that was 11 minutes long. The next week she uploaded a video that was 9 minutes longer. Then the following week she uploaded a video that was 2 times as long as the first week. How many minutes did she upload total?

Week 1

Week 2

Week 3

- 4) On Monday morning a store had 16 customer. In the afternoon they had 5 fewer customers than the morning. In the evening they had 4 times as many customers as the morning. How many customers did they have total?

Morning

Afternoon

Evening

- 5) In a school district the elementary school earned \$11 fundraising. The high school earned 3 times as much as the elementary school and the middle school earned \$9 less than the elementary. How much did they earn total?

Elementary

Middle

High

Answers

1. **511**

2. **64**

3. **53**4. **91**

5. **46**



Answers

1. _____
2. _____
3. _____
4. _____
5. _____



Solve each problem using a tape diagram.

Answers

- 1) Alice, Bobby and Charles were collecting cans. Charles collected 3 times as many cans as Alice. Alice collected 17 cans. And Bobby collected 5 more cans than Alice. How many cans did they collect total?

Alice	17	
Bobby		5
Charles		

1. **90**2. **123**3. **415**4. **325**5. **100**

- 2) In one day a restaurant used 19 knives. They used 9 more forks than they used knives. They also used 4 as many spoons as knives. How many utensils do they use in a day?

knives	19	
forks		9
spoons		

- 3) The school book fair sold 20 books on Wednesday. On Friday they sold 5 fewer than Thursday. On Thursday they sold 10 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday	20	
Thursday		
Friday		

- 4) Debby's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 7 times as many TVs as Danny. Edward sold 5 fewer than Frank. And Danny sold 22 TVs. How many TVs did they sell total?

Danny	22	
Frank		
Edward		

- 5) At the fair the ring toss booth took in \$22 the first hour. The second hour they took \$10 less than the first hour. And the third hour they took 3 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.

First Hour	22	
Second Hour		10
Third Hour		



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. _____



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?

Folder 1	18				
Folder 2		10			
Folder 3					

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	15						
Bobby		6					
Charles							

- 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	21								
Thursday									
Friday									

- 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	20								
Billy									
Carl									

- 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	17						
Sunday		10					
Saturday							



Answers

1. _____
2. _____
3. _____
4. _____
5. _____

Solve each problem using a tape diagram.

- 1) Debby created an app that she put on the app store. In the first day 15 people downloaded it. On the second day she had 5 times as many downloads. On the third day she had 5 fewer downloads than day 2. How many people downloaded the app in the first 3 days?

Day 1	15
-------	----

Day 2					
-------	--	--	--	--	--

Day 3					
-------	--	--	--	--	--

- 2) Olivia uploaded a video to youtube that was 14 minutes long. The next week she uploaded a video that was 6 minutes longer. Then the following week she uploaded a video that was 2 times as long as the first week. How many minutes did she upload total?

Week 1	14
--------	----

Week 2		6
--------	--	---

Week 3		
--------	--	--

- 3) In one day a restaurant used 13 knives. They used 5 more forks than they used knives. They also used 5 as many spoons as knives. How many utensils do they use in a day?

knives	13
--------	----

forks		5
-------	--	---

spoons					
--------	--	--	--	--	--

- 4) At the fair the ring toss booth took in \$11 the first hour. The second hour they took \$5 less than the first hour. And the third hour they took 4 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.

First Hour	11
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Second Hour

--

 5

Third Hour				
------------	--	--	--	--

- 5) Adam was reading a book. He read 25 pages on Monday and 9 times as many pages on Tuesday. On Wednesday he read 5 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday 25

Tuesday								
---------	--	--	--	--	--	--	--	--

Wednesday								
-----------	--	--	--	--	--	--	--	--

Answers

1. **160**

2. **62**

3. **96**

4. **61**

5. **470**



Solve each problem using a tape diagram.

Answers

- 1) In April, Larry's Lawn Care mowed 16 lawns. They mowed 4 times as many in May and 10 fewer in June. How many lawns did they mow over those three months?

April	16
June	10
May	

1. **86**2. **34**3. **117**4. **206**5. **100**

- 2) In a school district the elementary school earned \$10 fundraising. The high school earned 2 times as much as the elementary school and the middle school earned \$6 less than the elementary. How much did they earn total?

Elementary	10
Middle	6
High	

- 3) A musician spent 16 hours practicing in January. In February he practiced for 5 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.	16
Feb.	5
Mar.	

- 4) Kaleb was reading a book. He read 10 pages on Monday and 10 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	10
Tuesday	
Wednesday	

- 5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 13. Bianca defeated 9 more than Aaron. And Cathy defeated 5 times as many as Aaron. How many enemies did they defeat total?

Aaron	13
Bianca	9
Cathy	



Answers

1. _____
2. _____
3. _____
4. _____
5. _____



Solve each problem using a tape diagram.

Answers

- 1) In April, Larry's Lawn Care mowed 17 lawns. They mowed 5 times as many in May and 8 fewer in June. How many lawns did they mow over those three months?

April	17						
June	8						
May							

1. **111**2. **221**3. **130**4. **157**5. **79**

- 2) The school book fair sold 15 books on Wednesday. On Friday they sold 4 fewer than Thursday. On Thursday they sold 7 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday	15						
Thursday							
Friday							

- 3) Faye uploaded a video to youtube that was 25 minutes long. The next week she uploaded a video that was 5 minutes longer. Then the following week she uploaded a video that was 3 times as long as the first week. How many minutes did she upload total?

Week 1	25						
Week 2	5						
Week 3							

- 4) In a school district the elementary school earned \$27 fundraising. The high school earned 4 times as much as the elementary school and the middle school earned \$5 less than the elementary. How much did they earn total?

Elementary	27						
Middle	5						
High							

- 5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 12. Bianca defeated 7 more than Aaron. And Cathy defeated 4 times as many as Aaron. How many enemies did they defeat total?

Aaron	12						
Bianca	7						
Cathy							



Solve each problem using a tape diagram.

Answers

- 1) On Friday a game store sold 16 copies of the new Mario game. On Saturday they sold 5 times as many as on Friday. And then on Sunday they sold 5 less than the amount on Friday. How many did they sell total?

Friday	16								
Sunday	5								
Saturday									

1. **107**2. **318**3. **118**4. **87**5. **76**

- 2) Amy, Billy and Carl were working on a school project. Amy spent 17 minutes on her portion. Billy spent 9 times as long on his portion. And Carl spent 5 minutes fewer than Billy did. How many minutes total were they working?

Amy	17								
Billy									
Carl									

- 3) Katie was organizing her pictures on her computer. In folder 1 she had 27 pictures. In folder 2 she had 10 more pictures than folder 1. And in folder 3 she had 2 times as many pictures as folder 1. How many pictures does she have total?

Folder 1	27								
Folder 2									
Folder 3									

- 4) In one day a restaurant used 11 knives. They used 10 more forks than they used knives. They also used 5 as many spoons as knives. How many utensils do they use in a day?

knives	11								
forks									
spoons									

- 5) In one day George's Pizza Palace sold 21 sausage pizzas. They sold 8 fewer cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage	21								
cheese									
pepperoni									



Answers

1. _____
2. _____
3. _____
4. _____
5. _____



Solve each problem using a tape diagram.

Answers

- 1) At the fair the ring toss booth took in \$18 the first hour. The second hour they took \$5 less than the first hour. And the third hour they took 4 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.

First Hour	18
Second Hour	5
Third Hour	

1. **103**2. **122**3. **297**4. **99**5. **302**

- 2) In one day a restaurant used 29 knives. They used 6 more forks than they used knives. They also used 2 as many spoons as knives. How many utensils do they use in a day?

knives	29
forks	6
spoons	

- 3) Amy, Billy and Carl were working on a school project. Amy spent 23 minutes on her portion. Billy spent 6 times as long on his portion. And Carl spent 2 minutes fewer than Billy did. How many minutes total were they working?

Amy	23
Billy	
Carl	

- 4) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 18. Bianca defeated 9 more than Aaron. And Cathy defeated 3 times as many as Aaron. How many enemies did they defeat total?

Aaron	18
Bianca	9
Cathy	

- 5) Emily's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 8 times as many TVs as Danny. Edward sold 4 fewer than Frank. And Danny sold 18 TVs. How many TVs did they sell total?

Danny	18
Frank	
Edward	