



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.

- 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 |    |   |  |  |  |

- 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  |    |  |  |  |  |  |  |

## Answers

1. **100**
2. **110**
3. **128**
4. **65**
5. **473**



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.
- 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?

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  | <input type="text" value="20"/>  |
| Second Hour | <input type="text" value="10"/>  |
| Third Hour  | <input type="text" value="100"/> |

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  | <input type="text" value="27"/>  |
| November | <input type="text" value="216"/> |
| December | <input type="text" value="214"/> |

- 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 | <input type="text" value="22"/> |
| Folder 2 | <input type="text" value="27"/> |
| Folder 3 | <input type="text" value="66"/> |

- 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   | <input type="text" value="26"/> |
| Sunday   | <input type="text" value="19"/> |
| Saturday | <input type="text" value="52"/> |

- 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. | <input type="text" value="28"/>  |
| Feb. | <input type="text" value="34"/>  |
| Mar. | <input type="text" value="140"/> |



# Answers

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



Solve each problem using a tape diagram.

Answers

- 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  | <input type="text" value="27"/>                                                                                                                                                              |
| Frank  | <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"/> |
| Edward | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>                      |

1. **511**2. **64**3. **53**4. **91**5. **46**

- 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   | <input type="text" value="14"/>                                                                                                                                         |
| Bobby   | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| Charles | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |

- 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 | <input type="text" value="11"/>                                                                                                                                         |
| Week 2 | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| Week 3 | <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) 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   | <input type="text" value="16"/>                                                     |
| Afternoon | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| Evening   | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |

- 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 | <input type="text" value="11"/>                                                     |
| Middle     | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| High       | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |



# 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?
- 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?
- 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?
- 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?
- 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.

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   | <input type="text" value="17"/> |                                |
| Bobby   | <input type="text"/>            | <input type="text" value="5"/> |
| Charles | <input type="text"/>            | <input type="text"/>           |

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 | <input type="text" value="19"/> |                                |
| forks  | <input type="text"/>            | <input type="text" value="9"/> |
| spoons | <input type="text"/>            | <input type="text"/>           |

- 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 | <input type="text" value="20"/> |                      |
| Thursday  | <input type="text"/>            | <input type="text"/> |
| Friday    | <input type="text"/>            | <input type="text"/> |

- 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  | <input type="text" value="22"/> |                      |
| Frank  | <input type="text"/>            | <input type="text"/> |
| Edward | <input type="text"/>            | <input type="text"/> |

- 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  | <input type="text" value="22"/> |                                 |
| Second Hour | <input type="text"/>            | <input type="text" value="10"/> |
| Third Hour  | <input type="text"/>            | <input type="text"/>            |



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 | <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"/> |



Solve each problem using a tape diagram.

Answers

- 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?
- 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?
- 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?
- 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.
- 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?

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 |
|------------|----|

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.**

- 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?
- 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?
- 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?
- 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?
- 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?

# Answers



Solve each problem using a tape diagram.

- 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   |    |    |  |  |  |

- 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. **86**

2. **34**

3. **117**

4. **206**

5. **100**



# 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 | <input type="text" value="17"/> |                      |                      |                      |                      |                      |
| June  | <input type="text" value="8"/>  |                      |                      |                      |                      |                      |
| May   | <input type="text"/>            | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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 | <input type="text" value="15"/> |                      |                      |                      |                      |                      |                      |
| Thursday  | <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"/> |

- 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 | <input type="text" value="25"/> |                      |                      |                      |                      |                      |
| Week 2 | <input type="text" value="5"/>  |                      |                      |                      |                      |                      |
| Week 3 | <input type="text"/>            | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

- 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 | <input type="text" value="27"/> |                      |                      |                      |                      |                      |
| Middle     | <input type="text" value="5"/>  |                      |                      |                      |                      |                      |
| High       | <input type="text"/>            | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

- 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  | <input type="text" value="12"/> |                      |                      |                      |                      |                      |
| Bianca | <input type="text" value="7"/>  |                      |                      |                      |                      |                      |
| Cathy  | <input type="text"/>            | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |



**Solve each problem using a tape diagram.**

- 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?
- 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?
- 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?
- 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?
- 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?



Solve each problem using a tape diagram.

- 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   | <input type="text" value="16"/> |                      |                      |                      |                      |                      |                      |                      |                      |
| Sunday   | <input type="text" value="5"/>  |                      |                      |                      |                      |                      |                      |                      |                      |
| Saturday | <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"/> |

- 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   | <input type="text" value="17"/> |                      |                      |                      |                      |                      |                      |                      |                      |
| 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"/> |

- 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 | <input type="text" value="27"/> |                                 |                      |                      |                      |                      |                      |                      |                      |
| 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"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

- 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 | <input type="text" value="11"/> |                                 |                      |                      |                      |                      |                      |                      |                      |
| forks  | <input type="text"/>            | <input type="text" value="10"/> |                      |                      |                      |                      |                      |                      |                      |
| spoons | <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) 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   | <input type="text" value="21"/> |                                |                      |                      |                      |                      |                      |                      |                      |
| cheese    | <input type="text"/>            | <input type="text" value="8"/> |                      |                      |                      |                      |                      |                      |                      |
| pepperoni | <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"/> |

**Answers**

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





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  | <input type="text" value="18"/> |
| Second Hour | <input type="text" value="5"/>  |
| Third Hour  | <input type="text"/>            |

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 | <input type="text" value="29"/> |
| forks  | <input type="text" value="6"/>  |
| spoons | <input type="text"/>            |

- 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   | <input type="text" value="23"/> |
| Billy | <input type="text"/>            |
| Carl  | <input type="text"/>            |

- 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  | <input type="text" value="18"/> |
| Bianca | <input type="text" value="9"/>  |
| Cathy  | <input type="text"/>            |

- 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  | <input type="text" value="18"/> |
| Frank  | <input type="text"/>            |
| Edward | <input type="text"/>            |