



Solve each problem using a tape diagram.

**Answers**

- 1) While building a house, a contractor spent \$22 on outlets. He spent 8 times that amount on fixtures and 9 times the amount on sheet rock. How much did he spend total?

outlets	22								
fixtures									
sheet rock									

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

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

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

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

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

- 2) Chef Luke buys 17 carrots. He buys 2 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	17								
Potatoes									
Tomatoes									

- 3) A malt shop sold 24 vanilla shakes. They sold 3 times as many strawberry shakes and 3 times as many chocolate shakes. How many shakes did they sell total?

vanilla	24								
strawberry									
chocolate									

- 4) A school principal was looking over grades. In math 29 students scored a C. 3 times as many students scored a B. And 2 times as many students scored an A as scored a B. How many students scored an A, B or C?

C	29								
B									
A									

- 5) On Halloween Frank scored 39 pieces of gummi candy. He got 5 times as much sugar candy and 7 times as much chocolate candy. How many pieces of candy did he get total?

Gummi	39								
Sugary									
Chocolate									



Solve each problem using a tape diagram.

**Answers**

- 1) While building a house, a contractor spent \$22 on outlets. He spent 8 times that amount on fixtures and 9 times the amount on sheet rock. How much did he spend total?

outlets	22								
fixtures									
sheet rock									

1. **396**2. **153**3. **168**4. **290**5. **507**

- 2) Chef Luke buys 17 carrots. He buys 2 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	17								
Potatoes									
Tomatoes									

- 3) A malt shop sold 24 vanilla shakes. They sold 3 times as many strawberry shakes and 3 times as many chocolate shakes. How many shakes did they sell total?

vanilla	24								
strawberry									
chocolate									

- 4) A school principal was looking over grades. In math 29 students scored a C. 3 times as many students scored a B. And 2 times as many students scored an A as scored a B. How many students scored an A, B or C?

C	29								
B									
A									

- 5) On Halloween Frank scored 39 pieces of gummi candy. He got 5 times as much sugar candy and 7 times as much chocolate candy. How many pieces of candy did he get total?

Gummi	39								
Sugary									
Chocolate									