



Solve each problem using a tape diagram.

Answers

- 1) A movie theater typically sells 12 small sodas a day. They also sell about 8 times as many medium and 2 times as many large sodas. How many sodas do they sell in a day?

- 2) Chef Mike buys 36 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?

- 3) While building a house, a contractor spent \$25 on outlets. He spent 9 times that amount on fixtures and 4 times the amount on sheet rock. How much did he spend total?

- 4) An ice cream shop sold 21 waffle cones. They sold 3 times as many sugar cones as waffle cones and 3 times as many wafer cones as sugar cones. How many cones did they sell total?

- 5) Sarah's Pizza Place sold 25 sausage pizzas on Super Bowl Sunday. They also sold about 2 times as many cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

- 1) A movie theater typically sells 12 small sodas a day. They also sell about 8 times as many medium and 2 times as many large sodas. How many sodas do they sell in a day?

Small	12								
Medium									
Large									

1. **132**2. **324**3. **350**4. **273**5. **125**

- 2) Chef Mike buys 36 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	36								
Potatoes									
Tomatoes									

- 3) While building a house, a contractor spent \$25 on outlets. He spent 9 times that amount on fixtures and 4 times the amount on sheet rock. How much did he spend total?

outlets	25								
fixtures									
sheet rock									

- 4) An ice cream shop sold 21 waffle cones. They sold 3 times as many sugar cones as waffle cones and 3 times as many wafer cones as sugar cones. How many cones did they sell total?

Waffle	21								
Sugar									
Wafer									

- 5) Sarah's Pizza Place sold 25 sausage pizzas on Super Bowl Sunday. They also sold about 2 times as many cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

Sausage	25								
Cheese									
Pepperoni									