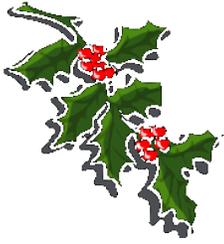


# Christmas Word Problems



1. Santa can see up to 25 children per hour. What is the maximum number of children he can see in 6 hours?
2. The price for each reindeer harness is \$17.95. What is the price for 9 reindeer harnesses?  
Challenge: If the tax rate is 14%, how much would 9 reindeer harnesses including tax cost?
3. Lana Elf measured the width of 9 Christmas presents. The total width of all the presents was 135 inches. If the presents were all the same width, how wide was each present? If all the presents had all different widths, what is one possibility for the widths of the 9 presents?
4. Peter Elf had 149 presents (not all for him) on Christmas Eve. On Christmas Day, he received 132 more presents and he gave away 128 presents. How many presents did he have to open for himself on Christmas Day?
5. Thirty elves would like to build a skating rink, so they can all use it at the same time. Santa tells them, they need at least 40 square feet for each skater, so no one will bump into each other. If they build a rectangular rink, what are some possible dimensions (length and width) for the rink?
6. Each batch of Mrs. Crawley's toffee makes 14 pieces of toffee. If Sandy needs 8 dozen pieces of toffee, how many batches does she have to make?
7. For the Christmas dance, the dance committee needs three hours of music. Each song is an average of 3.5 minutes. How many songs do they need?
8. A candy cane factory has to order boxes for its candy canes. If they plan to make 300,000 candy canes and each box can hold 12 candy canes, how many boxes do they need to order.
9. Mr. Anderson wants to decorate six of his windows with garland. Two of the windows are 3.4 feet by 5.2 feet and the other four windows are 3.6 feet by 4.8 feet. How many feet of garland are needed for all the windows.
10. Santa needs to order boots for all of his reindeer. He has four reindeer pens with 12, 19, 14 and 16 reindeer in them. How many boots are needed?

Merry Christmas from Math-Drills.Com



# Christmas Word Problems



1. Santa can see up to 25 children per hour. What is the maximum number of children he can see in 6 hours?  
**150 children**
2. The price for each reindeer harness is \$17.95. What is the price for 9 reindeer harnesses? **\$161.55** Challenge: If the tax rate is 14%, how much would 9 reindeer harnesses including tax cost? **\$184.17**
3. Lana Elf measured the width of 9 Christmas presents. The total width of all the presents was 135 inches. If the presents were all the same width, how wide was each present? **15 inches** If all the presents had all different widths, what is one possibility for the widths of the 9 presents? **Various answers are possible here as long as they add up to 135 and they are all different amounts. Older students can also use decimals.**
4. Peter Elf had 149 presents (not all for him) on Christmas Eve. On Christmas Day, he received 132 more presents and he gave away 128 presents. How many presents did he have to open for himself on Christmas Day? **153 presents**
5. Thirty elves would like to build a skating rink, so they can all use it at the same time. Santa tells them, they need at least 40 square feet for each skater, so no one will bump into each other. If they build a rectangular rink, what are some possible dimensions (length and width) for the rink? **Various answers are possible as long as the width and the length multiply together to make 1200 sq. ft. (e.g. 20 x 60, 30 x 40, 25 x 48). Maybe discuss the shape that would make the most sense since a 1 x 1200 ft. rink probably wouldn't be practical.**
6. Each batch of Mrs. Crawley's toffee makes 14 pieces of toffee. If Sandy needs 8 dozen pieces of toffee, how many batches does she have to make? **7 batches**
7. For the Christmas dance, the dance committee needs three hours of music. Each song is an average of 3.5 minutes. How many songs do they need? **180 minutes divided by 3.5 minutes or 1800 divided by 35 is probably the easiest way to do this. One of the numbers has to be converted to the other units regardless. About 52 songs.**
8. A candy cane factory has to order boxes for its candy canes. If they plan to make 300,000 candy canes and each box can hold 12 candy canes, how many boxes do they need to order. **25,000 boxes**
9. Mr. Anderson wants to decorate six of his windows with garland. Two of the windows are 3.4 feet by 5.2 feet and the other four windows are 3.6 feet by 4.8 feet. How many feet of garland are needed for all the windows. **Since this is a perimeter question, students also need to add the other two sides for each window. 34.4 feet + 67.2 feet = 101.6 feet of garland.**
10. Santa needs to order boots for all of his reindeer. He has four reindeer pens with 12, 19, 14 and 16 reindeer in them. How many boots are needed? **61 reindeer x 4 boots per reindeer is 244 boots.**

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