

# Christmas Math Word Problems



Directions: Read each word problem. Write the answer in the space provided. Show your work.

1. The family has a twelve foot ceiling in their living room. Their Christmas tree is seven feet tall. How much extra space do they have?

2. Janie has 12 boxes of ornaments for her tree. In each box, there are 12 ornaments. When unpacking them, her dog broke three ornaments. How many ornaments are left?

3. Bobbie Sue wants to wrap garland around her tree. She had a four foot tree last year and used two packages of garland. This year has a nine foot tree. How many packages of garland will she need?

4. The Netts had several sets of carolers visit their home last night. The first set had four carolers; the next set had 8 carolers; the third set had 16 carolers. If the pattern continues, how many carolers did the fourth set of carolers have?

5. Amie wants to purchase a candy cane for every student she sees throughout the day. Her class sizes are shown below. If each box of candy canes have 12 in it, how many boxes will she need to buy?

1 <sup>st</sup> period – 24	2 <sup>nd</sup> period – 18	3 <sup>rd</sup> period – 22
4 <sup>th</sup> period – 21	5 <sup>th</sup> period – 19	6 <sup>th</sup> period - 23

6. Jason is trying to earn enough money to buy each of his family member's a gift. The following list shows the chores completed and the amount earned. How much more money did he earn doing outside chores than inside chores?

Outside chores	Inside chores
Raking leaves \$5.00	Vacuuming \$1.00
Washing the deck \$10.00	Taking out the trash \$1.00
Washing the car \$5.00	Washing the dishes \$1.00
Vacuuming the truck \$2.00	Washing the windows \$10.00

# Christmas Math Word Problems – ANSWER KEY

1. The family has a twelve foot ceiling in their living room. Their Christmas tree is seven feet tall. How much extra space do they have?

Five feet  
 $12 - 7 = 5$

2. Janie has 12 boxes of ornaments for her tree. In each box, there are 12 ornaments. While unpacking them, her dog broke three ornaments. How many ornaments are left?

$12 \times 12 = 144$   
 $144 - 3 = 141$

141 ornaments

3. Bobbie Sue wants to wrap garland around her tree. She had a four foot tree last year and used two packages of garland. This year has a nine foot tree. How many packages of garland will she need?

Four foot tree = 2 packages of garland (1 package for every 2 feet)

Nine foot tree = 5 packages of garland needed

4. The Netts had several sets of carolers visit their home last night. The first set had four carolers; the next set had 8 carolers; the third set had 16 carolers. If the pattern continues, how many carolers did the fourth set of carolers have?

First set = 4; second set = 8 (4 x 2); third set = 16 (8 x 2); fourth set = 32 (16 x 2)

32 carolers were in the fourth set.

5. Amie wants to purchase a candy cane for every student she sees throughout the day. Her class sizes are shown below. If each box of candy canes have 12 in it, how many boxes will she need to buy?

1 <sup>st</sup> period – 24	2 <sup>nd</sup> period – 18	3 <sup>rd</sup> period – 22
4 <sup>th</sup> period – 21	5 <sup>th</sup> period – 19	6 <sup>th</sup> period – 23

$24 + 18 + 22 + 21 + 19 + 23 = 127$  students  
 $127$  divided by  $12 = 10.58833333$   
 Amie will need 11 boxes of candy canes.

6. Jason is trying to earn enough money to buy each of his family member's a gift. The following list shows the chores completed and the amount earned. How much more money did he earn doing outside chores than inside chores?

Outside chores	Inside chores
Raking leaves \$5.00	Vacuuming \$1.00
Washing the deck \$10.00	Taking out the trash \$1.00
Washing the car \$5.00	Washing the dishes \$1.00
Vacuuming the truck \$2.00	Washing the windows \$10.00

Jason earned \$22.00 working outside (5 + 10 + 5 + 2)

Jason earned \$13.00 working inside (1 + 1 + 1 + 10)

Jason earned \$9.00 more dollars working outside than indoors.  $\$22.00 - \$13.00 = \$9.00$

