Top Ten Highest Grossing Holiday Movies of all time

10. *Christmas with the Kranks*
Release day: Nov 24, 2004
Domestic gross: $73,780,539
$73,500,000

9. *The Nightmare before Christmas*
Release date: Oct 15, 1993
Domestic gross: $75,082,668
$75,000,000

8. *Santa Clause 3: The Escape Claus*
Release date: Nov. 3, 2006
Domestic gross: $84,500,122
$84,500,00

7. *Four Christmases*
Release date: Nov 26, 2008
Domestic gross: $120,146,040
$120,000,000

6. *A Christmas Carol*
Release date: Nov. 6, 2009
Domestic gross: $137,855,863
$138,000,000

5. *Santa Clause 2*
Release date: Nov. 1, 2002
Domestic gross: $139,236,327
$139,000,000

4. *The Santa Clause*
Release date: Nov. 11, 1994
Domestic gross: $144,833,357
$145,000,000

3. *Elf*
Release date: Nov. 7, 2003
Domestic gross: $173,398,518
$173,000,000

2. *The Polar Express*
Release date: Nov. 10, 2004
Domestic gross: $183,373,735
$183,000,000

1. *How the Grinch Stole Christmas*
Release date: Nov. 17, 2000
Domestic Gross: $260,044,825
$260,000,000

1. Round each movie gross to the nearest $500,000. Put in the rounded amount below the actual domestic gross of each movie. You may use these rounded totals for questions 2 and 3.
   See answers on the left

2. By about how many more dollars did *How the Grinch Stole Christmas* make than *Christmas with the Kranks*?

   $260,000,000
   - $73,500,000   Estimated answers are great.
   _____
   $186,500,000

3. By about how many more dollars did *Dr. Seuss' How the Grinch Stole Christmas* make than *The Polar Express*?

   $260,000,000
   -$183,000,000
   _____
   $77,000,000

4. How many of these ten movies have you seen? What fraction of these ten movies have you seen?
   Student's answers will certainly vary.

5. Between which two movies do we see the closest gross? By about how many dollars did they differ? Use the actual dollar values.
   A Christmas Carol and Santa Clause 2 had the closest gross sales.
   $139,236,327 - $137,855,863 = $1,380,464

6. You might have noticed that it was a pretty close call between *Christmas with the Kranks* and *The Nightmare before Christmas?* It was also close between *A Christmas Carol* and *Santa Clause 2.*
   - What percent more did *The Nightmare before Christmas* make then *Christmas with the Kranks*?

   $$\frac{\$75,082,668 - \$73,780,539}{\$73,780,539}$$

   $$\frac{\$1,302,129}{\$73,780,539} = 1.765\%$$

   - What percent more did *Santa Clause 2* make then *A Christmas Carol*? Use actual dollar amounts.

   $$\frac{\$1,380,464}{\$137,855,863} \approx 1.00\%$$

7. The movie, *A Christmas Story*, came out in 1983 and didn't make this list. It grossed $20,605,209. How many times more did *How the Grinch Stole Christmas* make than *A Christmas Story*? About 12 times more

8. Your next task is to create a graph that can visually represent this data. What type of graph would seem

most appropriate to represent this data? You might consider a circle graph, line graph or bar graph.
Probably a bar graph is the easiest and most expressive

You, your group and your class may have decided to use a bar graph to display the data. Some things to consider:

- You will now need to consider how to lay out the movies across the x – axis. Maybe on a diagonal will fit best.
- Will you order them alphabetically, chronologically or by total gross? It doesn't matter.
- What increments will you use on your y – axis? The range is from 73 million to 260 million
- Does it make sense to use your rounded values or the actual values or does it not matter? Either is OK. Rounded is surely accurate enough for such large numbers.
- Make sure to include labels and a title.

Gross income of holiday movies

Movie	Adjusted Gross (approx.)
How the Grinch Stole Christmas	$260,000,000
The Polar Express	$183,000,000
Elf	$173,000,000
The Santa Clause	$145,000,000
Santa Clause 2	$140,000,000
A Christmas Carol	$138,000,000
Four Christmases	$120,000,000
Santa Clause 3: The Escape Claus	$85,000,000
The Nightmare before Christmas	$75,000,000
Christmas with the Kranks	$73,000,000