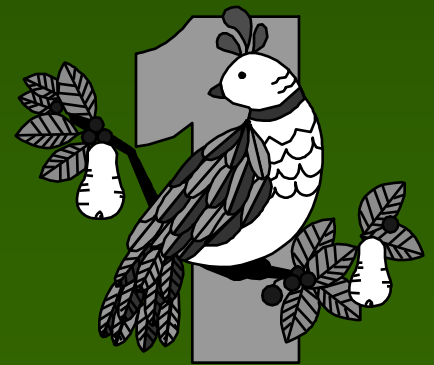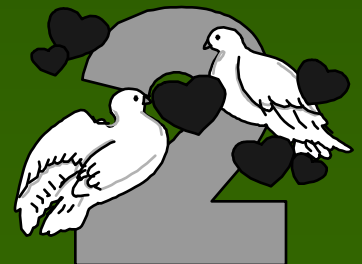# A Partridge in a Pear Tree

Erica & Christian Freitag

Maths Investigation

- How many of each item did the lady receive from her true love according to the song 'The Twelve Days of Christmas'?

- Work out the cost of each item.

- What was the total cost of all the items?

Methods

- Check suppliers
- Check costs and availability
- Check wages and employment conditions

How many of each item?

- Pear trees - 12
- Partridges - 12
- Turtle doves - 22
- French hens - 30
- Calling birds - 36

How many of each item?

- Golden rings - 40

- Geese a laying - 42

- Swans - 42

- Milkmaids - 40

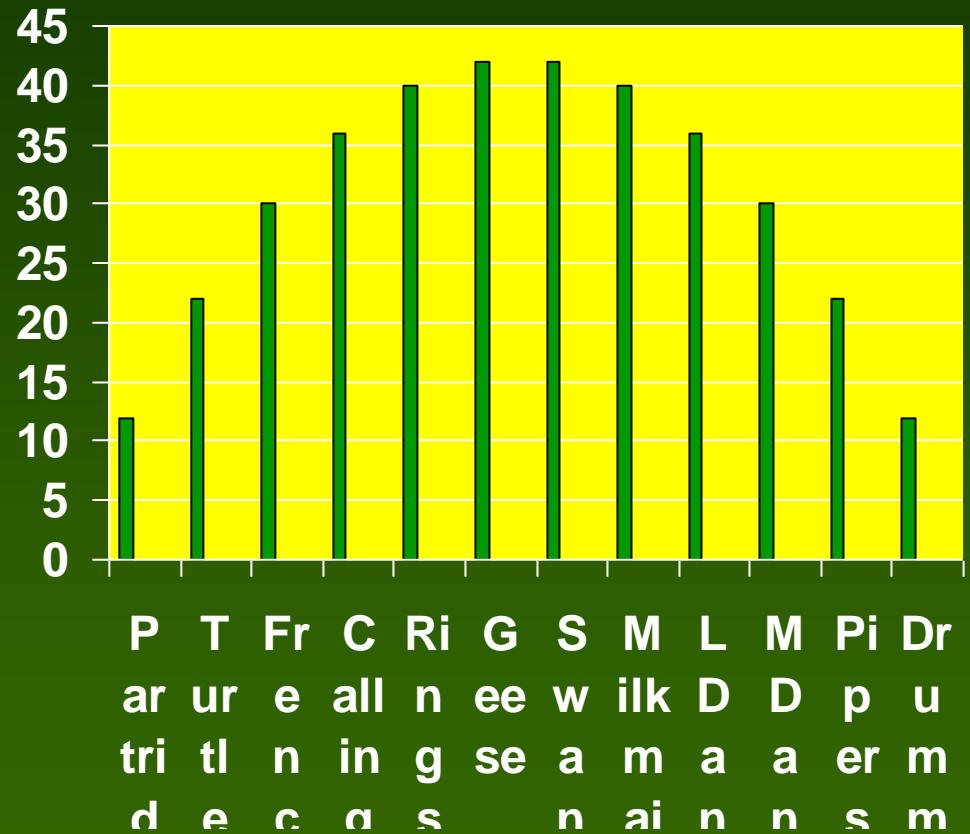- Dairy cows - 40

- Bucket & Stool Sets - 40

How many of each item?

- Lady dancers - 36
- Male dancers - 30
- Pipers - 22
- Drummers - 12

Results Graphically

Cost of Each Item

- 12 Pear Trees @ 18.00 ea = 216.00
- 12 Partridges   @ 15.00 ea = 180.00
- 22 Turtle dove @ 10.00 ea = 220.00
- 30 French hens @ 15.00 ea = 450.00

Cost of Each Item

- 36 Calling birds @ 50.00 ea = 1'800.00
- 40 Gold rings @ 100.00 ea = 4'000.00
- 42 Geese @ 15.00 ea = 630.00
- 42 Swans @ 2,000.00 ea = 84'000.00

Cost of Each Item

- 40 Milkmaids @ 8.78/hr ea= 730'496.00
- 40 Dairy Cows @ 475.00 ea= 19'000.00
- 40 Buckets @ 50.00 ea= 4'000.00
- 36 Lady Dancers @ 14.35/hr ea= 1'074'528.00.

Cost of Each Item

- 30 Male Dancers @ 14.35/hr ea = 895'440.00

- 22 Pipers @ 14.35/hr ea = 656'656.00

- 12 Drummers @ 14.35/hr ea = 358'176.00

THE GRAND TOTAL !!!

- # $3,829,792