

# Inside Santa's Workshop *Video Example*

Vixen, Rudolph, Dasher and Cupid eat **24** carrots.

Vixen eats more carrots than Cupid.

Dasher eats  $\frac{1}{4}$  of the carrots.

Vixen and Rudolph eat **13** carrots.

**How many carrots does each reindeer eat? Find possible answers.**

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The Christmas Elves have been busy making presents. This has made them hungry! Mrs Claus decided to count how many mince pies each Elf has eaten in the last week.



**Alabaster Snowball**

**In total, the three Elves ate 26 mince pies.**

**Alabaster Snowball ate the most mince pies.**

**Sugarplum Mary**



**Alabaster Snowball ate less than half of the mince pies.**

**Bushy Evergreen ate 4 more mince pies than Sugarplum Mary.**



**Bushy Evergreen**

**How many mince pies did each Elf eat?**

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**Bushy Evergreen**

**How many mince pies did each Elf eat?**

# Inside Santa's Workshop

S  
U  
P  
P  
O  
R  
T

**Tip:** Try sharing 26 counters between three whiteboards.

Each whiteboard represents one of the Elves. Each counter represents a mince pie.

Alabaster Snowball

Sugarplum Mary

Bushy Evergreen



E  
X  
T  
E  
N  
D

One morning, Santa decided to count how many Christmas presents each Elf made. This is what he found:

**Bushy Evergreen made two more presents than Alabaster Snowball.**

**Alabaster Snowball and Sugarplum Mary made 17 presents.**

**Sugarplum Mary made three more presents than Bushy Evergreen.**

**How many presents does each Elf make?**

E  
X  
T  
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**Alabaster Snowball and Sugarplum Mary made 17 presents.**

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**How many presents does each Elf make?**

C  
R  
E  
A  
T  
E

**Design a question about the number of carrots given to each of Santa's reindeer.**

**Example reindeer names:** Rudolph, Dasher, Dancer, Prancer, Vixen

**Example clues:** ...had two more carrots than...    ...had  $\frac{1}{2}$  the carrots

...had the least carrots    ...had twice as many carrots as...

**Example questions:** How many carrots did each reindeer have?

How many carrots did the reindeers have in total?

# CHRISTMAS TASKS: Answers

**Inside Santa's Workshop:** Alabaster S = 12    Sugarplum M = 5  
Bushy E = 9

Extension: Alabaster S = 6    Sugarplum M = 11    Bushy E = 8

# I SEE MATHS RESOURCES

A range of resources for developing deep, visual mathematics can be found at [www.iseemaths.com](http://www.iseemaths.com)

[Here you will find information about online training and in-school training](#) led by Gareth Metcalfe. For more information or to make a booking, email [iseemaths@hotmail.com](mailto:iseemaths@hotmail.com)

The ***I See Reasoning*** eBooks provide a range of thought-provoking tasks and questions for embedding reasoning in daily lessons:

[I See Reasoning – Y6](#)

[I See Reasoning – Y5](#)

[I See Reasoning – LKS2](#)

[I See Reasoning – KS1](#)

[I See Problem-Solving – UKS2](#) and [I See Problem-Solving – LKS2](#) give a bank of multi-stage maths tasks. There are support features and worked examples to build understanding. Extend tasks deepen the challenge!

iPad app [Logic Squares](#), ideal for children in KS2, gets children applying calculation facts and thinking strategically.

## **Social Media**

**Twitter:** @gareth\_metcalfe

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