The Mystery of the Missing Reindeer Bells Maths Game

Santa has been getting ready all year for Christmas Eve, when he will travel the world delivering presents to all the girls and boys. His elves have been very busy making the presents, wrapping them and storing them in the enormous stockrooms.

The reindeer have been resting ready for their epic journey and are keen to get going.

But what's this? Disaster has struck! One of the naughty elves has hidden all the beautiful shiny gold bells which decorate the reindeer's harnesses. The reindeer cannot fly without them!

Which one of them would do such a thing?

Your task is to solve the clues and use the descriptions of the elves, to work out who the culprit of the hidden bells is.

Santa is depending on you!

Good luck!





Descriptions of the Elves

Name	Male or Female	Job at Santa's Workshop	Hat Colour	Shoe Type	Hair Colour
Bitsy	female	wrapping	red	pointy	black
Crumble	male	packing	green	curly	ginger
Dippy	male	wrapping	green	curly	brown
Fizz	female	packing	blue	pointy	black
Misty	female	toy maker	green	pointy	black
Neil	male	packing	green	curly	blonde
Рір	male	wrapping	blue	pointy	black
Tazzy	female	toy maker	red	pointy	ginger
Jip	male	researcher	yellow	curly	brown
Kizzy	female	wrapping	green	curly	brown
Jazz	female	researcher	yellow	pointy	blonde
Neville	male	toy maker	green	curly	brown
Candy	female	packing	blue	curly	blonde
Ernest	male	researcher	red	pointy	brown
Bert	male	packing	green	curly	ginger
Tinsel	female	toy maker	yellow	pointy	black
Joy	female	researcher	yellow	curly	brown
Melvyn	male	wrapping	green	curly	black
Sparky	female	packing	red	curly	brown
Jingle	male	toy maker	blue	curly	ginger
Merry	female	wrapping	yellow	pointy	black
Dinky	male	packing	green	curly	brown
Petal	female	researcher	blue	pointy	blonde
Noel	male	wrapping	green	curly	blonde
Snowy	male	toy maker	yellow	pointy	brown

Have you solved the mystery of who hid the reindeer bells?

It was _____



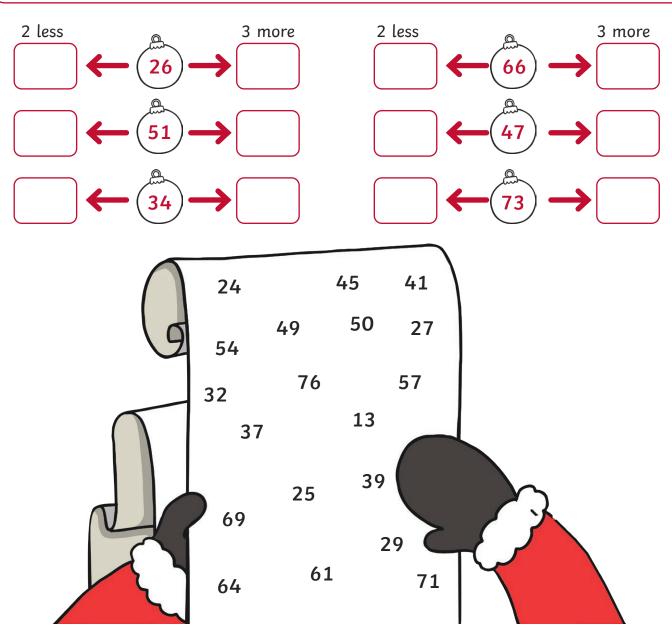
Clue 1 Ringing in the Missing Numbers



Fill in the missing numbers. Cross off the numbers from Santa's list when you put them in the empty boxes. If the numbers left on the list are odd, the bell hider wore curly shoes.

Look at the numbers left on Santa's list.

If the numbers left on the list are **even** the bell hider wore pointy shoes.



Put a circle around the correct word in the sentence: The reindeer bell hider wore **curly/pointy** shoes.







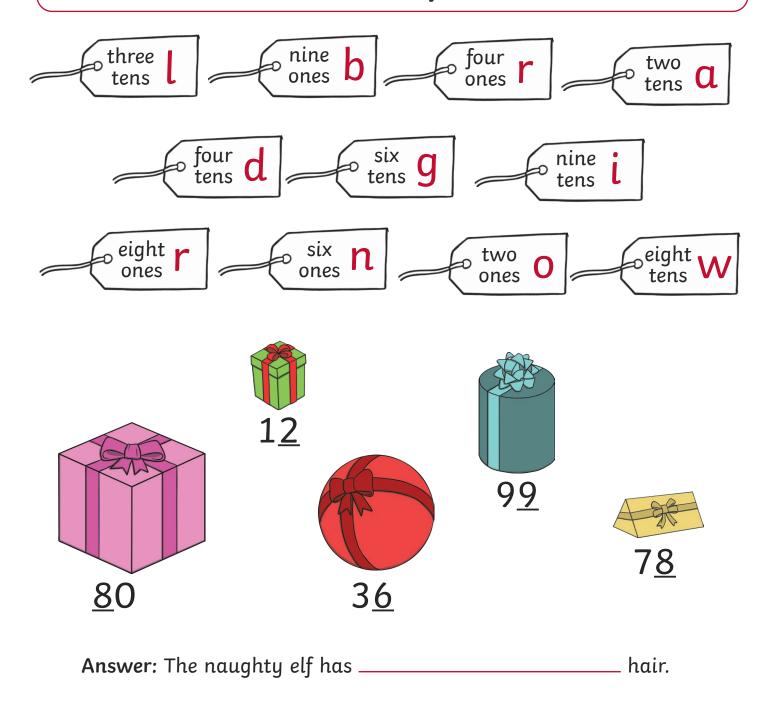


Look at the underlined digit in each of the numbers on the presents.

Think about how many tens or ones that number represents.

Match up the answers on the tags to the present.

Unscramble the letters on your selected tags to spell out the colour of hair which the mischievous elf had.







Some of the elves have answered some problems, but are they all correct? Check if they are right. If they are not, put a cross in the \times column. If they are right, put a tick \checkmark .

	Right 🗸	Wrong 🗙
Lizzy says that 32 + 9 is 49. Is she right?		
Frizzle says that 82 – 11 = 71. Is he right?		
Betsy says that three lots of two equals four. Is she right?		
Grimble says that 12 candy canes shared between him and a friend means they will each have 6 candy canes. Is he correct?		
Ditsy says that this can be worked out: 3 – 8 = 6. Is she right?		
Jet says that two groups of four has the same total as four groups of two and that the answer is eight. Is he right?		
Tizzy says that 9 + 30 has the same answer as 19 + 10. Is she right?		



If there are more \checkmark than \Join , the elf is **female**. If there are more \bigstar than \checkmark , the elf is **male**.

Put a circle around the correct word: male/female



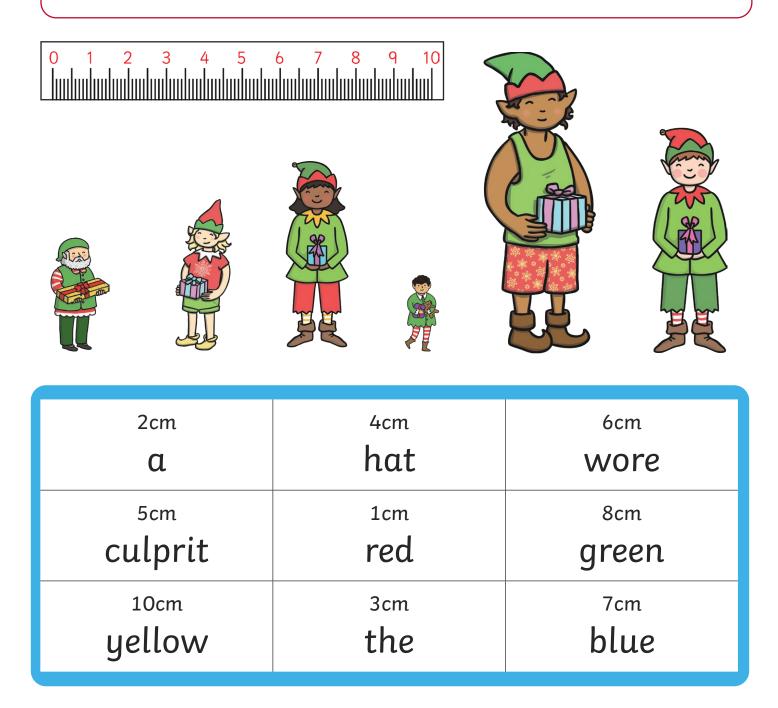
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Measure the height of the elves to the nearest centimetre.

Find the height in the table below and make a sentence from the words to solve clue number four!

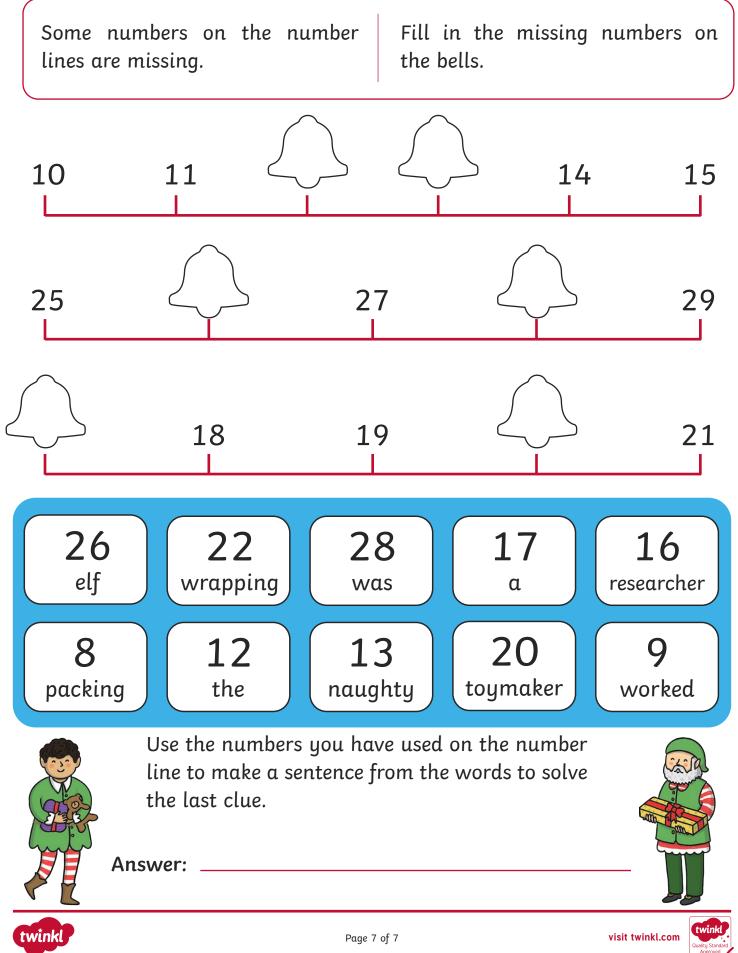


Answer:









The Mystery of the Missing Reindeer Bells Answers

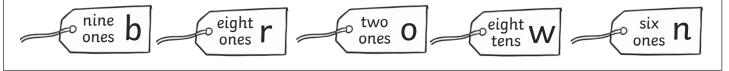
Clue 1 Ringing in the Missing Numbers The remaining numbers on Santa's list will be:

57, 13, 39, 25, 61, 49, 27

Therefore, all odd, so the bell hider wore curly shoes.

Clue 2 Match the Tags

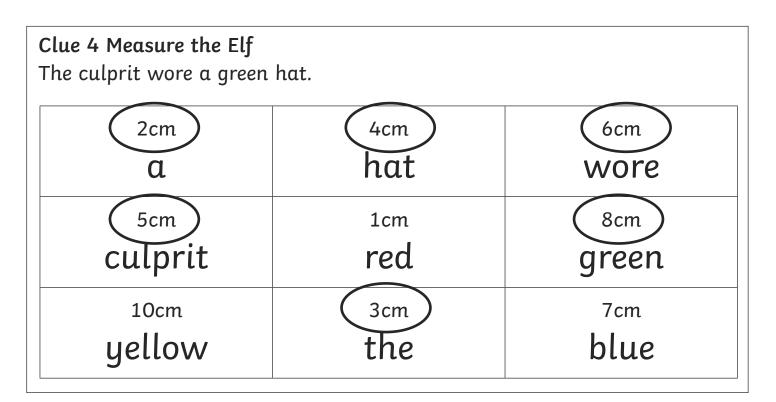
Once unscrambled, the selected tags spell 'brown'.



	Right 🗸	Wrong 🗙	
Lizzy says that 32 + 9 is 49. Is she right?		×	
Frizzle says that 82 – 11 = 71. Is he right?	\checkmark		
Betsy says that three lots of two equals four. Is she right?		×	
Grimble says that 12 candy canes shared between him and a friend means they will each have 6 candy canes. Is he correct?	\checkmark		
Ditsy says that this can be worked out: 3 – 8. Is she right?		×	
Jet says that two groups of four has the same total as four groups of two and that the answer is eight. Is he right?	✓		
Tizzy says that 9 + 30 has the same answer as 19 + 10. Is she right?		×	The culprit is mal



The Mystery of the Missing Reindeer Bells Answers



Clue 5 The Missing Bells

10, 11, **12**, **13**, 14, 15

25, **26**, 27, **28**, 29

17, 18, 19, **20**, 21

The naughty elf was a toymaker.







The elf who hid the reindeer bells was Neville!