

The Place Value Mystery in the Palace Kitchen Maths Game

Mr Bun, the royal baker, bakes for the queen. He usually loves his job but today he is having a dreadful morning. First of all, his alarm didn't go off so he was late getting up to bake the bread. Then, the cat made him jump and he dropped the bag of flour which went absolutely everywhere. To top it all off, someone has sneaked in and bitten one leg off all the gingerbread men that he has made.

Who could the secret nibbler be?

Your task is to use the descriptions of the suspects and solve the clues to work out who the culprit is!

Good luck!



Name	M/F	Job at the Palace	Wears gloves	Hair Colour	Height
Amy	female	maid	yes	dark	tall
Bertie	male	butler	yes	dark	tall
Cora	female	kitchen hand	no	light	short
Devindra	male	footman	yes	dark	short
Elliot	male	butler	yes	light	tall
Frances	female	maid	yes	dark	tall
Grant	male	kitchen hand	no	dark	short
Himmat	female	maid	yes	dark	tall
Isaiah	male	kitchen hand	no	light	tall
Jessie	female	maid	yes	light	short
Kristoff	male	footman	yes	dark	tall
Liam	male	butler	yes	dark	short
Mia	female	maid	no	light	tall
Nathanial	male	footman	yes	dark	short
Ophelia	female	kitchen hand	no	light	tall
Piotr	male	footman	yes	light	short
Quentin	male	butler	yes	dark	short
Rhys	male	butler	yes	dark	tall
Sara	female	kitchen hand	no	dark	tall
Trev	male	butler	yes	light	short
Una	female	maid	yes	dark	tall
Vince	male	footman	yes	dark	tall
William	male	footman	yes	light	short
Xavier	male	footman	yes	dark	tall
Yan	female	maid	yes	dark	short



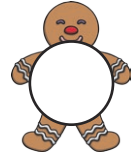
Clue 1



Complete the Sequence

Count on in steps of two and complete the number sequence.

(0)	○	○	○	○	○
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Count on in steps of three and complete the number sequence.

(0)	○	○	○	○	○
-----	---	---	---	---	---



Count on in steps of five and complete the number sequence.

(0)	○	○	○	○	○
-----	---	---	---	---	---



Count on in tens and complete the number sequence.

(20)	○	○	○	○	○
------	---	---	---	---	---



Count on in twos and complete the number sequence.

(10)	○	○	○	○	○
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Count on in tens and complete the number sequence.

(23)	○	○	○	○	○
------	---	---	---	---	---



Find the numbers you have written on the gingerbread men.

Use the words from the table to make a sentence to solve the first clue.

21 tall	80 the	20 under
73 light	18 gingerbread	30 hair
22 has	12 nibbler	83 dark

Answer to clue 1: _____

Clue 2

Counting On



Work out which numbers are represented in these pictures then find the answers in the table. Use the words in the table to solve clue number two.

30 hat	13 beside	48 dropped
59 was	62 short	64 trays
22 baking	17 glove	14 tall
71 a	49 found	35 the

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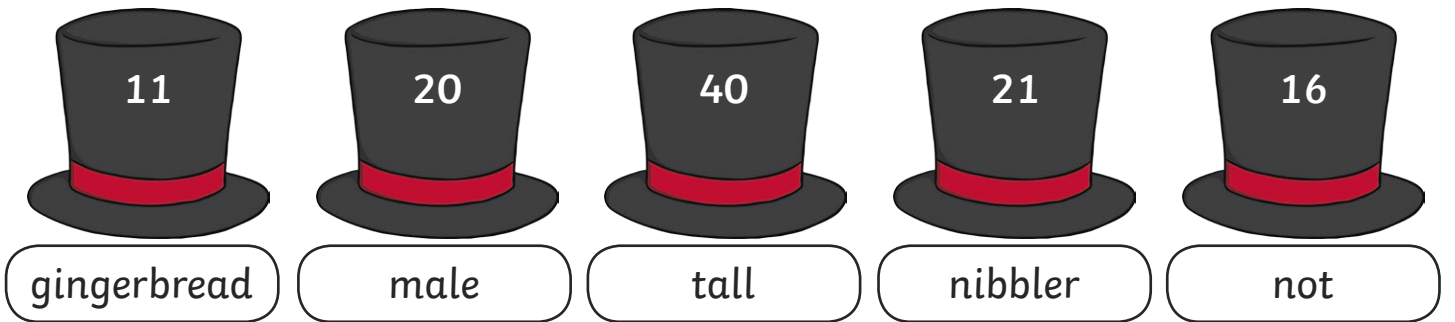
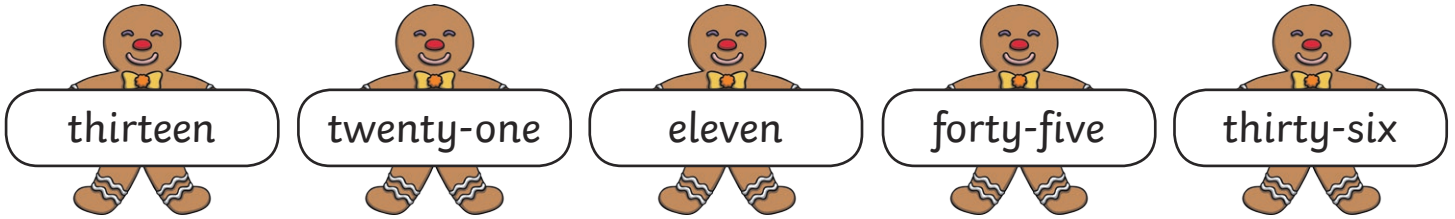
Answer to clue 2: _____

Clue 3



Hat Match!

Match up the gingerbread men with the hats.


Use the words in the hats to make a sentence to solve the third clue.





Answer to clue 3: _____


Clue 4

More or Less

Write the answers in the empty chefs' hats and find the answer in the table.

1 more than 17 is 

1 less than 12 is 

1 more than 23 is 



1 less than 15 is 

1 more than 8 is 



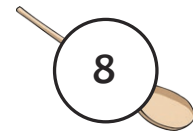
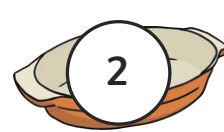

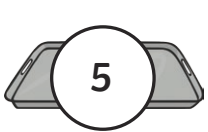



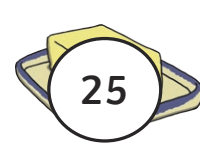
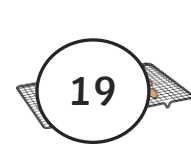


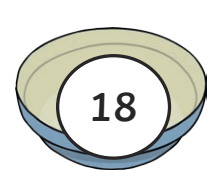
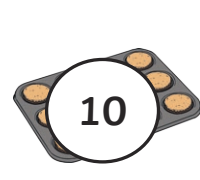
1 less than 27 is 

14 nibbler	16 kitchen hand	26 maid
25 footman	18 is	13 butler
11 a	9 gingerbread	24 the

Answer to clue 4: _____


Clue 5

Order Up!

Order these sets of numbers from the smallest to the largest.

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13, 17, 20 is	19, 25, 31 gingerbread	1, 2, 3 before	8, 6, 3 could
17, 10, 13 not	2, 5, 9 the	10, 16, 18 short	31, 25, 19 dropped
18, 10, 16 tall	22, 33, 44 sorry	3, 6, 8 nibbler	9, 2, 5 footman

Answer to clue 5: _____

Have you solved the mystery at the palace? Who ate the gingerbread?

Clue 1: Complete the Sequence

21 tall	80 the	20 under
73 light	18 gingerbread	30 hair
22 has	12 nibbler	83 dark

Answer to clue 1: **The gingerbread nibbler has dark hair.**

Clue 2: Counting on

30 hat	13 beside	48 dropped
59 was	62 short	64 trays
22 baking	17 glove	14 tall
71 a	49 found	35 the

Answer to clue 2: **A glove was dropped beside the baking trays.**

Clue 3: Hat Match!

Answer to clue 3: **The gingerbread nibbler is female.**

Clue 4: More or Less

14 nibbler	16 kitchen hand	26 maid
25 footman	18 is	13 butler
11 a	9 gingerbread	24 the

Answer to clue 4: **The gingerbread nibbler is a maid.**

Clue 5: Order Up!

13, 17, 20 is	19, 25, 31 gingerbread	1, 2, 3 before	8, 6, 3 could
17, 10, 13 not	2, 5, 9 the	10, 16, 18 short	31, 25, 19 dropped
18, 10, 16 tall	22, 33, 44 sorry	3, 6, 8 nibbler	9, 2, 5 footman

Answer to clue 5: **The gingerbread nibbler is short**

Have you solved the mystery at the palace? Who ate the gingerbread?

Yan is the palace gingerbread eater!