

# The Place Value Mystery in the Palace Kitchen Maths Game

Mr Bun, the royal baker, bakes for the queen. He loves his job but is having a bad day.

First, he slept in and was late for work. Then, his cat made him jump and he dropped a cake!

Now, someone has bitten off the legs of all the gingerbread men he made.

Can you help him work out who the nibbler is?

Solve the clues to find out who did it.



Name	M/F	Job at the Palace	Wears gloves	Hair Colour	Height
Amy	girl	maid	yes	dark	short
Bertie	boy	butler	no	light	short
Cora	girl	maid	yes	dark	tall
Devindra	boy	footman	yes	light	short
Elliot	boy	kitchen hand	yes	dark	short
Frances	girl	kitchen hand	no	dark	tall
Grant	boy	footman	no	dark	short
Himmat	girl	maid	yes	light	tall
Isaiah	boy	butler	no	light	tall
Jessie	girl	kitchen hand	yes	dark	tall
Kristoff	boy	kitchen hand	no	light	short
Liam	boy	butler	yes	dark	tall



# Clue 1



## Complete the Sequence

Count on in steps of **one**.

0



5



10



15



Find the numbers you have put in the gingerbread men.

Make the words into a sentence.

16 dark	8 don't	7 no	11 have
10 light	6 they	21 hair	14 we

Answer to clue 1: \_\_\_\_\_

# Clue 2

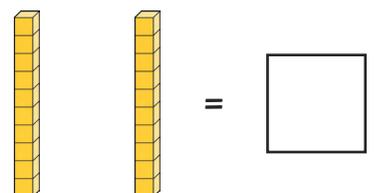
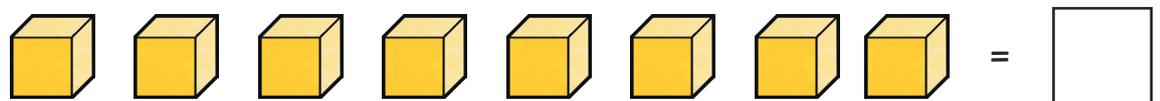
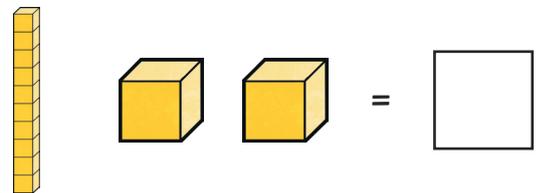
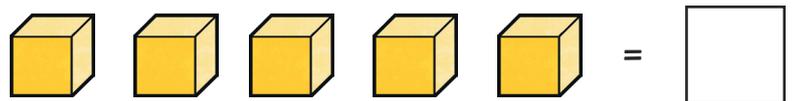
## Counting On



What numbers are shown by the dienes?

Find the numbers in the table and use the words to solve clue 2.

5 the	20 gloves	3 a	8 wears
10 shoes	6 does	12 nibbler	2 not



**Answer to clue 2:** \_\_\_\_\_



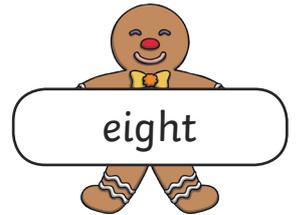
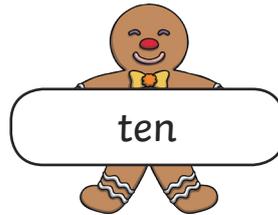
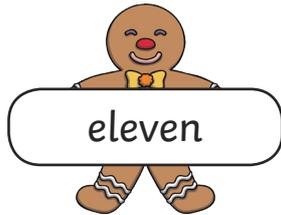
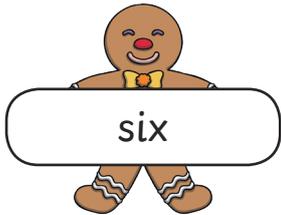
## Clue 3



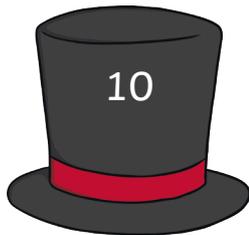
# Hat Match

Match the words to the numbers.

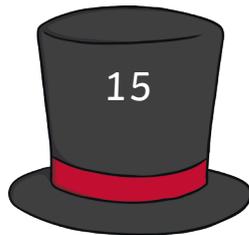
Use the words under the hats to solve the clue.



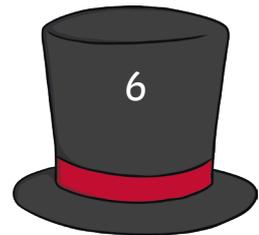
nibbler



a



not



they



are



we



boy



girl

Answer to clue 3: \_\_\_\_\_

 **Clue 4**   
**More or Less**

Write the missing number in each hat.

1 **more** than 11 is 

1 **more** than 23 is 

1 **less** than 15 is 

1 **less** than 19 is 

20 not	18 maid	14 a	10 is
12 they	16 butler	24 are	22 footman

**Answer to clue 4:** \_\_\_\_\_

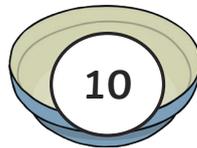


# Clue 5



## Order Up!

Put these numbers in order from smallest to biggest.



7, 10, 19 are	30, 20, 10 not	10, 20, 30 tall	3, 4, 1 we
19, 7, 10 tall	10, 7, 19 is	4, 3, 1 very	1, 3, 4 they

Answer to clue 5: \_\_\_\_\_

Have you solved the mystery? Who ate the gingerbread?

\_\_\_\_\_

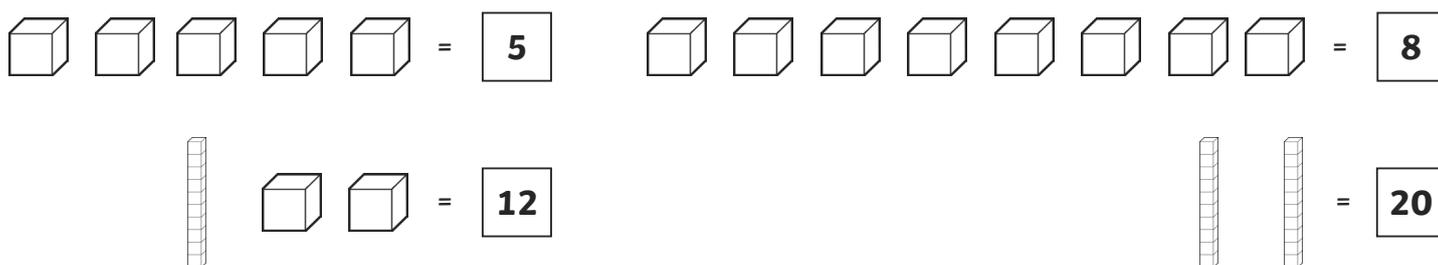
## Clue 1: Complete the Sequence

0	1	2	3	4	5	6
5	6	7	8	9	10	11
10	11	12	13	14	15	16
15	16	17	18	19	20	21

16 dark	8 don't	7 no	11 have
10 light	6 they	21 hair	14 we

Answer to clue 1: **They have dark hair**

## Clue 2: Counting on



5 the	20 gloves	3 a	8 wears
10 shoes	6 does	12 nibbler	2 not

Answer to clue 2: **The nibbler wears gloves.**

## Clue 3: Hat Match!

6 - they

11 - are

10 - a

8 - girl

Answer to clue 3: **They are a girl.**

## Clue 4: More or Less

1 more than 11 is **12**

1 more than 23 is **24**

1 less than 15 is **14**

1 less than 19 is **18**

20 not	<b>18</b> maid	<b>14</b> a	10 is
<b>12</b> they	16 butler	<b>24</b> are	22 footman

Answer to clue 4: **They are a maid.**

## Clue 5: Order Up!

4
1
3  
1
3
4

19
10
7  
7
10
19

30
10
20  
10
20
30

<b>7, 10, 19</b> are	30, 20, 10 not	<b>10, 20, 30</b> tall	3, 4, 1 we
19, 7, 10 tall	10, 7, 19 is	4, 3, 1 very	<b>1, 3, 4</b> they

Answer to clue 5: **They are tall.**

Have you solved the mystery? Who ate the gingerbread?

**Cora**