

The Great Fire of London

Number and Place Value Maths Challenge Cards



Number and Place Value







1. Complete the order for the bakery on Pudding Lane.

| Item | Quantity | |
|-------------|----------|-------------|
| Small Cakes | ? | twenty-one |
| Bread | 58 | ? |
| Large Pies | ? | sixty-seven |
| Small Pies | 99 | ? |

One of the bakers said, "Greater numbers are always longer to write in words." Is this baker correct? Can you prove it?

Number and Place Value

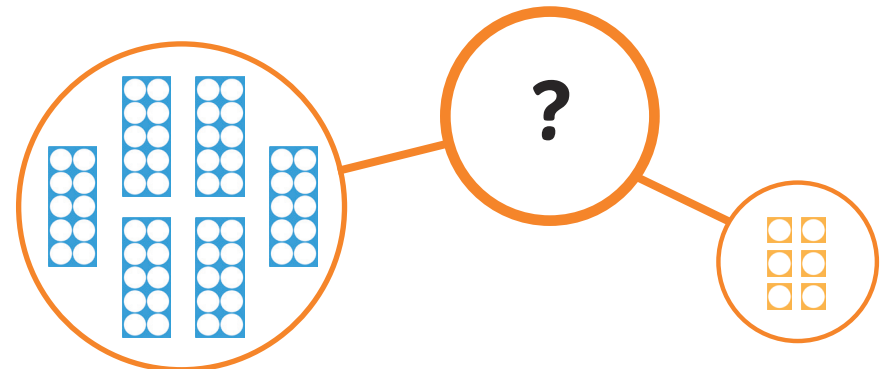
2. The bakery orders for Pudding Lane have been shown using equipment. Can you write each number in numerals?

| | | |
|---|---|---|
|  |  | ? |
|  |  | ? |
|  |  | ? |

The baker thinks that the order for buns is 3 tens greater than the order for bread. Is this correct? How do you know?

Number and Place Value

3. Use the part-whole model to complete the sentence.
The Great Fire of London began in **16....?**



How many other ways can you represent this number? Could you use equipment?

Number and Place Value

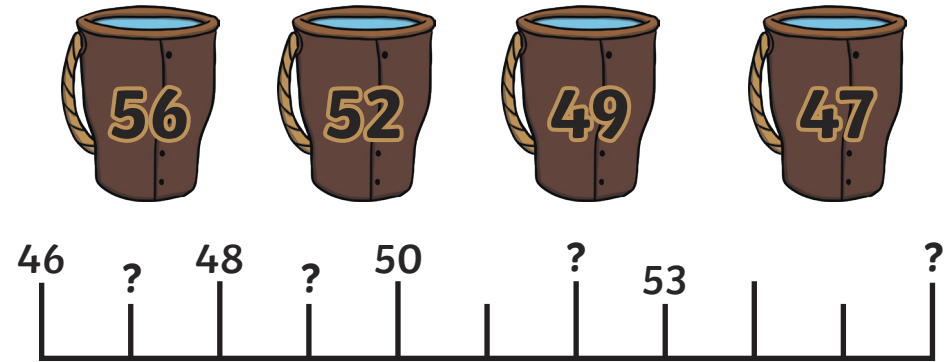
4. Use the part-whole model to complete the sentence. Samuel Pepys was _____ years old when the fire happened.



How many different ways can you represent this number? Could you draw pictures?

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5. Order the buckets from smallest to greatest.



The number 45 could fit onto this number line. Is this correct? Explain your answer.

Number and Place Value

6. This place value chart shows the number of churches that were thought to have been destroyed in the Great Fire of London. What number is this?

| Tens | Ones |
|------|------|
| 8 | 7 |

How many other ways could you show this number? Could you use a number sentence? Could you use a part-whole model?

Number and Place Value

7. Each box is labelled with a different number.



Create a sentence about the numbers that include the words 'greater than'.

Number and Place Value

8. Each box has a different mass.

Create a sentence about the numbers that include the words 'less than'.



Could you place these boxes in order starting with the smallest mass?

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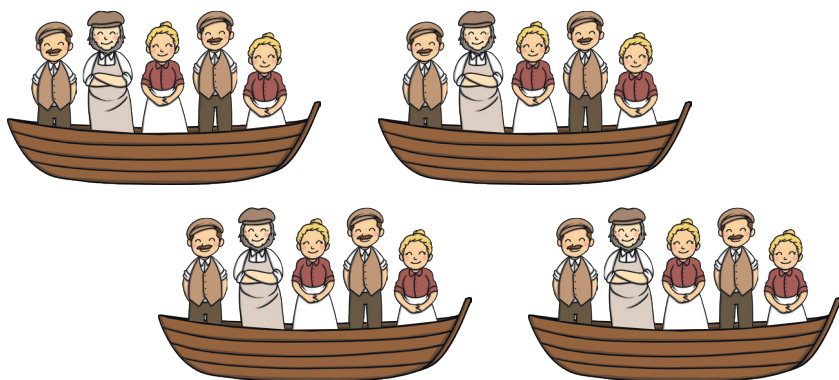
9. How many buckets can you see?



Explain to a partner how you found your answer. Was there a quicker way to count the items?

Number and Place Value

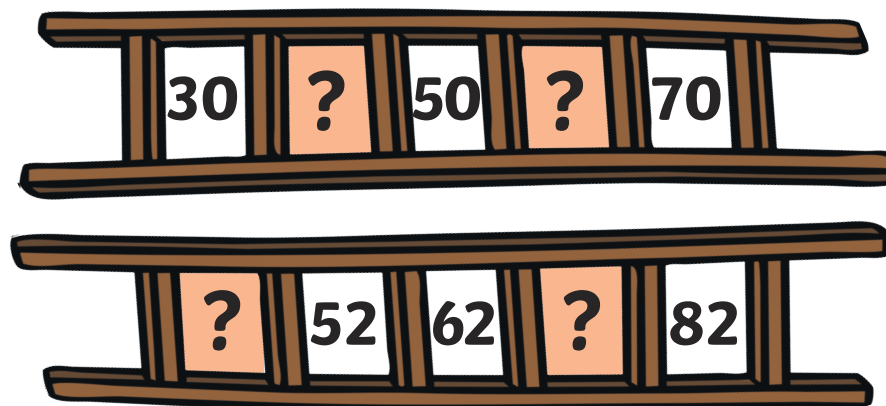
10. How many passengers are there?



What was your method for finding the answer? Was there a quicker way to count the items?

Number and Place Value

11. Can you fill in the missing numbers on these ladders?



Explain in your own words what happens to a number when it increases by 10.