Maths Mastery
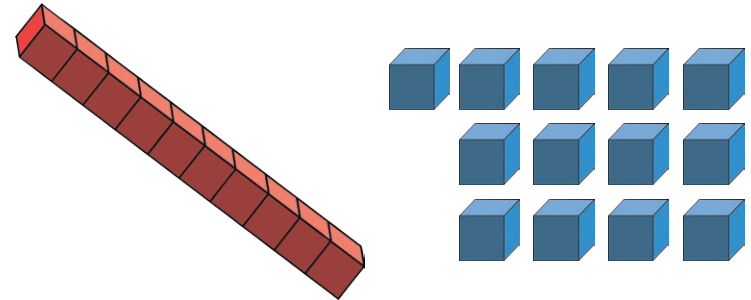
Representing Numbers
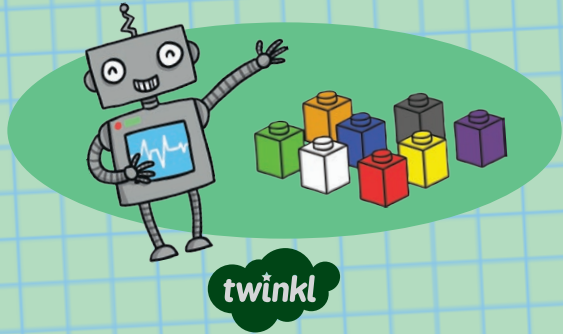
Challenge Cards

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1.   Asif has made a number.

What number has he made?

Can you think of different ways to make his number using the tens and ones?
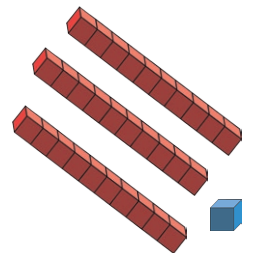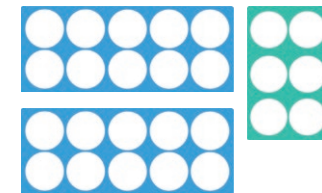
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2.   Do you agree that these two numbers are equal?
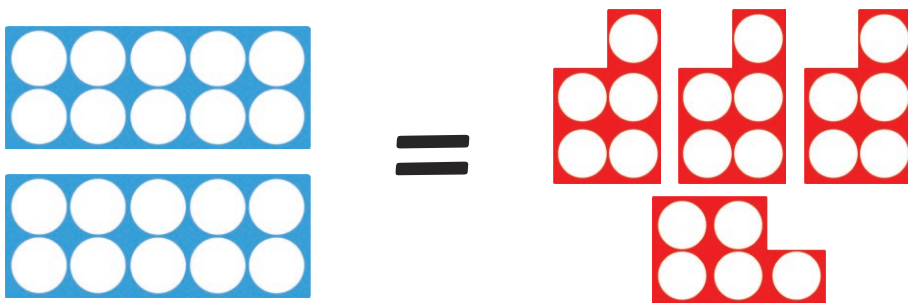
Can you explain why they look different but are still equal?

Can you make a similar number sentence using equipment?

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3.   Tomek has hidden some numbers on the number line.
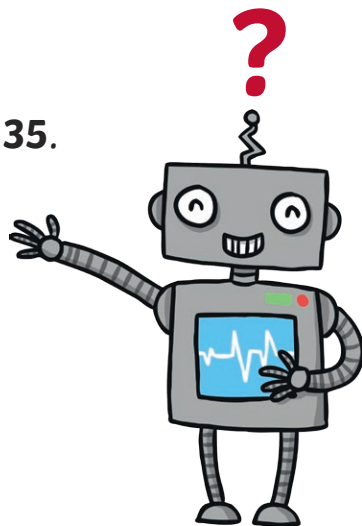
25   35

He has left clues for the hidden numbers.

Where does each number belong on the number line?
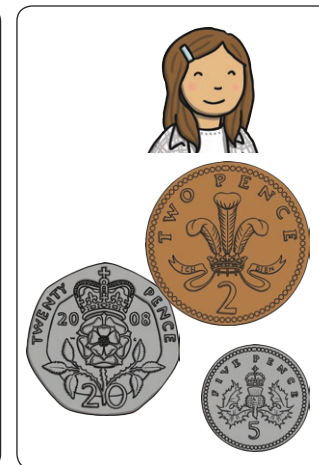
4. Zog is thinking of a number.

- His number is less than **40**.

- His number is greater than **35**.

- His number is **odd**.

What might Zog's number be?

5. Some children have been saving money.

How much money has each child saved?

6. Use any three pieces of this equipment to make a number.
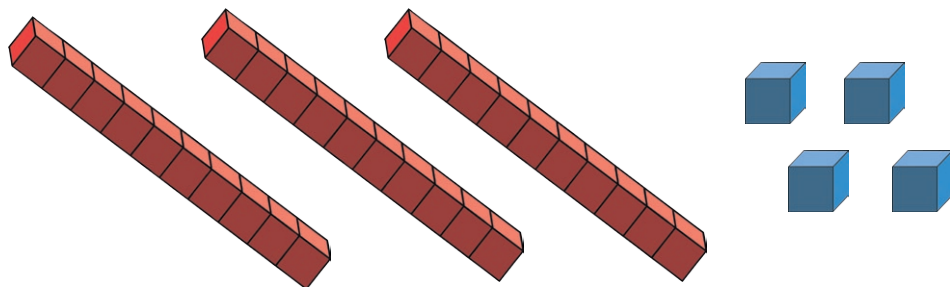
How many different numbers can you make each time?

7. Bottles of lemonade come in 1l bottles and 10l barrels.

Ben needs 26l of lemonade for his party.

How many bottles and barrels should he buy?

Can you find more than one answer to the problem?

Lemonade

1 litre

Lemonade

10 Litres

8. Use two of these digit cards to make a 2-digit number

7 5 2

- What is the **greatest** number you can make?
- What is the **smallest** number you can make?
- How many **odd** numbers can you make?
- How many **even** numbers can you make?

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9. With a partner, create your own representing numbers challenge card.

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Answers

1. Asif has made a number.
   What number has he made? 23

2. Do you agree that these two numbers are equal?
   Children explain their response using reasoning.

3. Where does each number belong on the number line?

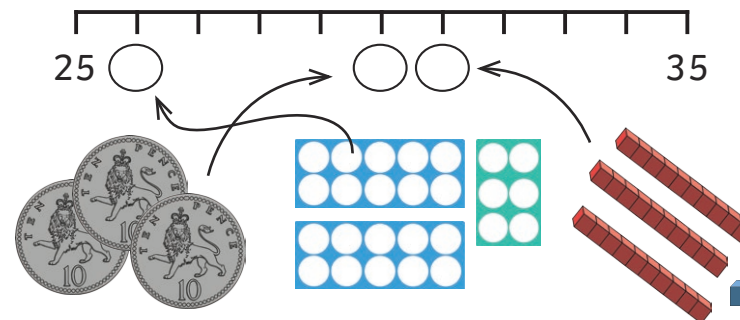4. Zog is thinking of a number. What might Zog's number be?
   37 or **39**

5. Some children have been saving money.
   How much money has each child saved?
   30p, 27p, 32p

6. Use any three pieces of this equipment to make a number.
   How many different numbers can you make each time?
   30,12, 12, 3

7. How many bottles and barrels should he buy?
   2 barrels and 6 bottles
   Can you find more than one answer to the problem?
   1 barrel and 16 bottles or 26 bottles

8. What is the greatest number you can make? **75**
   What is the smallest number you can make? **25**
   How many odd numbers can you make? **4 (25, 27, 57, 75)**
   How many even numbers can you make? 2 (52, 72)

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