

# Year 2 Two-Digit Numbers Place Value Challenge Cards

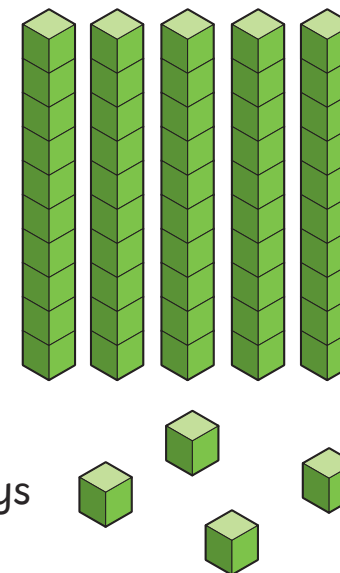


twinkl

Asif has made a number.

What number has he made?

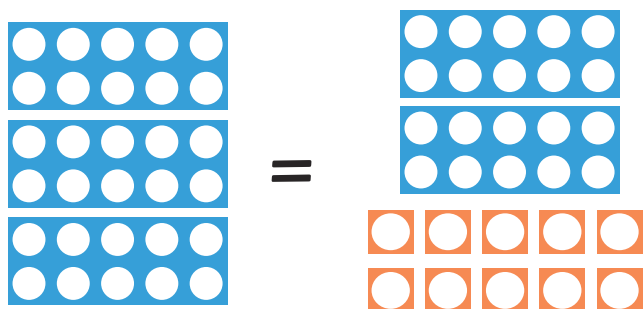
Can you think of different ways to make his number using the tens and ones?



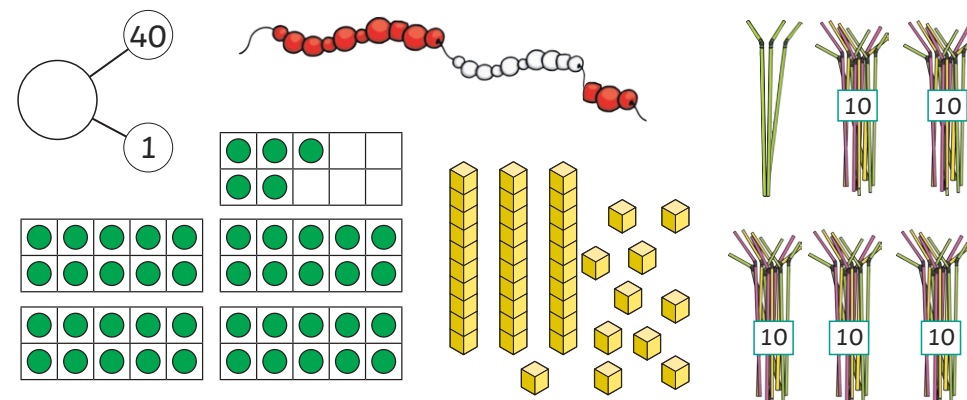
Can you think of different ways to represent his number?

Li has made a sentence.

Do you agree? Can you explain what she has done? Can you make a similar sentence using equipment?



Tomek has made some numbers. Two of the models have the same value. Can you find them?



What other numbers has he made?

Anna has some coins in her purse.



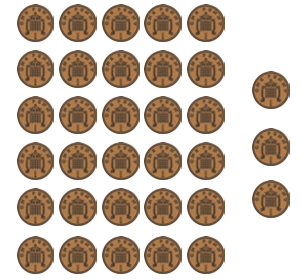
I have 10ps and 1ps.  
I have 7 coins.  
How much money  
do I have?



What might be the value of the coins in the purse?  
Can you find them all?

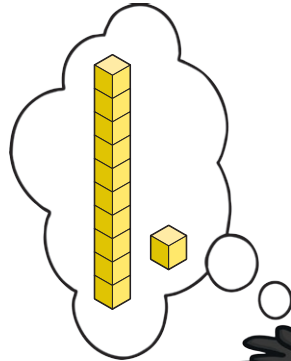
Some children have been saving money. Follow the clues to find out how much each of them saved?

- Anna and Ben have the same number of coins.
- Eric has the most coins.
- Ben has not saved the most money.



Hari is making 2-digit numbers using the same number of tens and ones.

He says he can make 10 different numbers.  
Is he right?



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

Ben buys 6 containers of lemonade for his party.

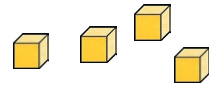
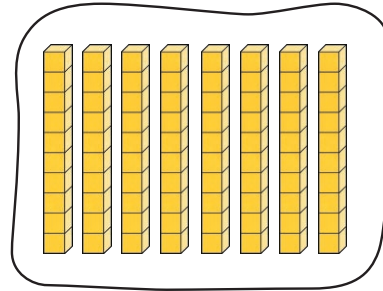
- How much lemonade might he have?
- How many ways can you find to solve this?



Hardeep has made a number.

I can see 80 here.

If there is a zero in 80, why don't I see a zero in 84?



Can you answer Hardeep's question and explain to him why this happens?

# Year 2 Two-Digit Numbers Place Value Maths Mastery **Answers**

1. Asif has made a number.

What number has he made? **54**

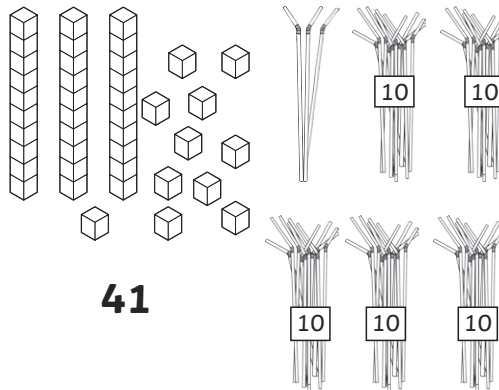
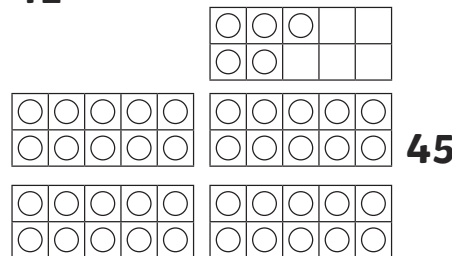
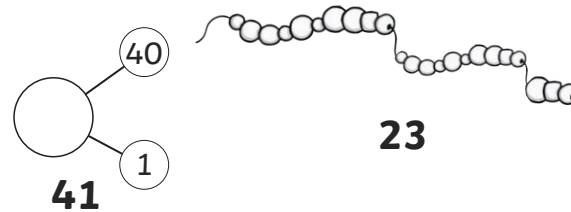
Can you think of different ways to make his number using the tens and ones? **He could use 4 tens and 14 ones, 3 tens and 24 ones, 2 tens and 34 ones, 1 ten and 44 ones or 0 tens and 54 ones.**

2. Li has made a sentence.

Do you agree? **Yes**

Can you explain what she has done? **She has made a third ten using ten ones.**

3. Tomek has made some numbers. Two of the models have the same value. Can you find them?



4. Anna has some coins in her purse.

What might be the value of the coins in the purse? Can you find them all?

$$10p + 1p + 1p + 1p + 1p + 1p + 1p = 16p$$

$$10p + 10p + 1p + 1p + 1p + 1p + 1p = 25p$$

$$10p + 10p + 10p + 1p + 1p + 1p + 1p = 34p$$

$$10p + 10p + 10p + 10p + 1p + 1p + 1p = 43p$$

$$10p + 10p + 10p + 10p + 10p + 1p + 1p = 52p$$

$$10p + 10p + 10p + 10p + 10p + 10p + 1p = 61p$$

# Year 2 Two-Digit Numbers Place Value Maths Mastery **Answers**

5. Some children have been saving money.  
Can you follow the clues to find out how much each of them saved?

Anna

$$8 \times 10p = 80p$$

Eric

$$33 \times 1p = 33p$$

Ben

$$6 \times 10p + 2 \times 1p = 62p$$

- 6 Hari is making 2-digit numbers using the same number of tens and ones.

He says he can make 10 different numbers. Is he right?

**No he can only make 9.**

**11, 22, 33, 44, 55, 66, 77, 88, 99**

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

Ben buys 6 containers of lemonade for his party.

How much lemonade might he have?

**6 barrels = 60l**

**5 barrels and 1 bottle = 51l**

**4 barrels and 2 bottles = 42l**

**3 barrels and 3 bottles = 33l**

**2 barrels and 4 bottles = 24l**

**1 barrel and 5 bottles = 15l**

**6 bottles = 6l**

8. Hardeep has made a number.

“I can see 80 here.”

“If there is a zero in 80, why don't I see a zero in 84?”

Can you answer Hardeep's question and explain to him why this happens?

**80 is 8 tens and zero ones or an 80 and a 0. When you add some ones to it, they are added to the zero, meaning it no longer shows in the number.**