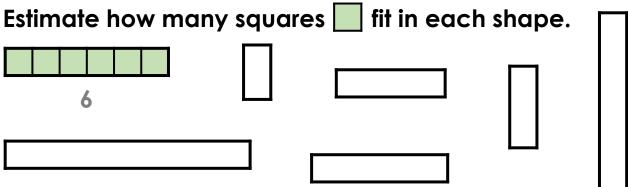


Estimate before you draw.

Estimate



Estimate before you draw.

Estimate

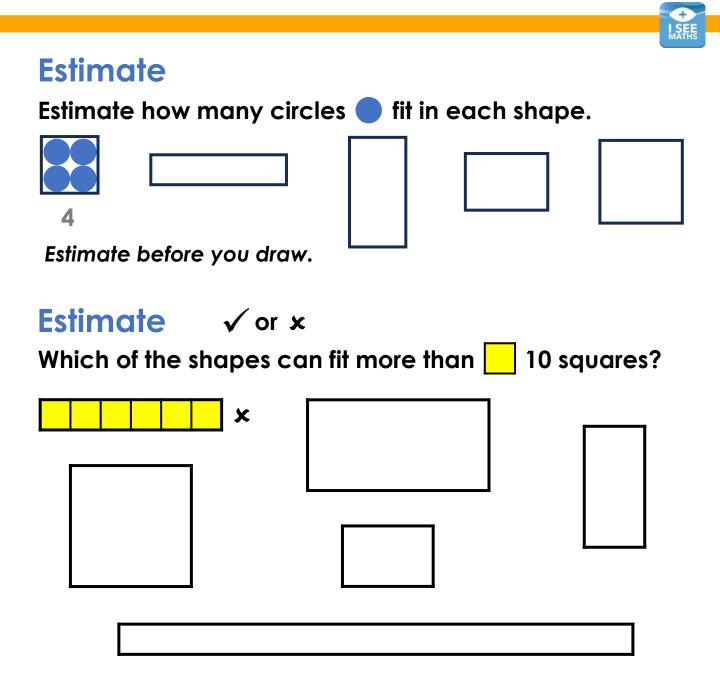
How many cubes can you hold in one hand?



How many cubes can you put on the back of your hand?



NUMBERS TO 10



Estimate

Choose a group of objects. Fill a container. Challenge: make exactly 10.



Objects



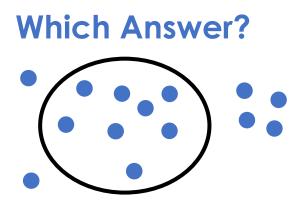
Containers

Example: More than 10



NUMBERS TO 10





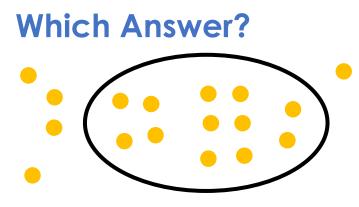
How many dots circled?

Less than 7

7 to 10

More than 10

No counting! Explain how you know.



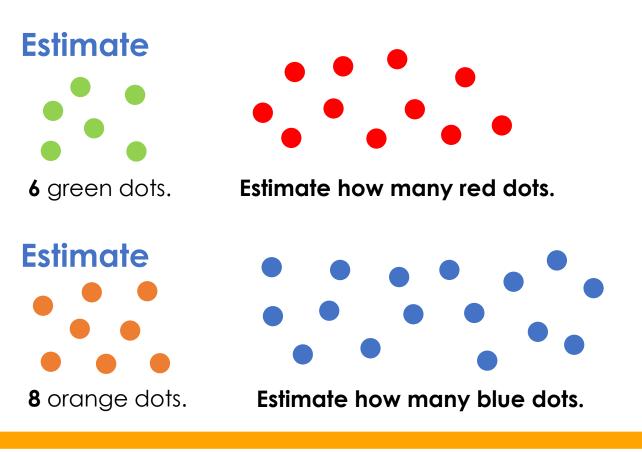
How many dots circled?

Less than 7

7 to 10

More than 10

No counting! Explain how you know.



NUMBERS TO 20



Estimate

Circle more than 6 and less than 10 without counting.



How do you know?

Estimate

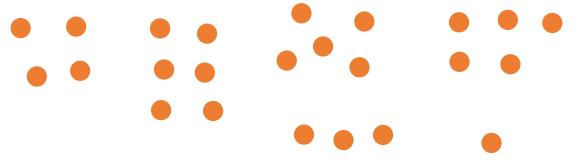
Circle more than 8 and less than 16 without counting.



How do you know?

Estimate

Circle more than 12 and less than 20 without counting.



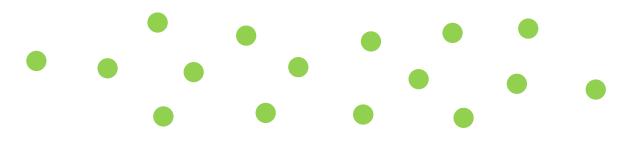
How do you know?

NUMBERS TO 20



Estimate

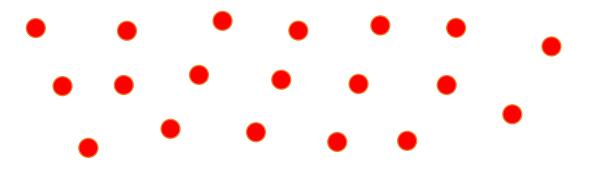
Circle more than 6 and less than 12 without counting.



Count to check.

Estimate

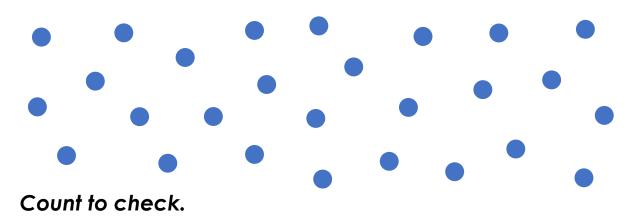
Circle more than 8 and less than 16 without counting.



Count to check.

Estimate

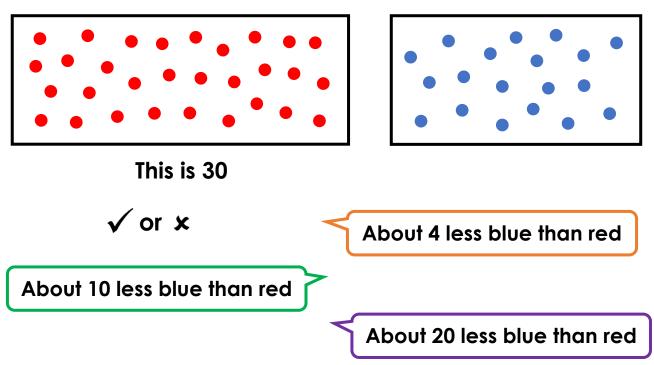
Circle more than 10 and less than 20 without counting.

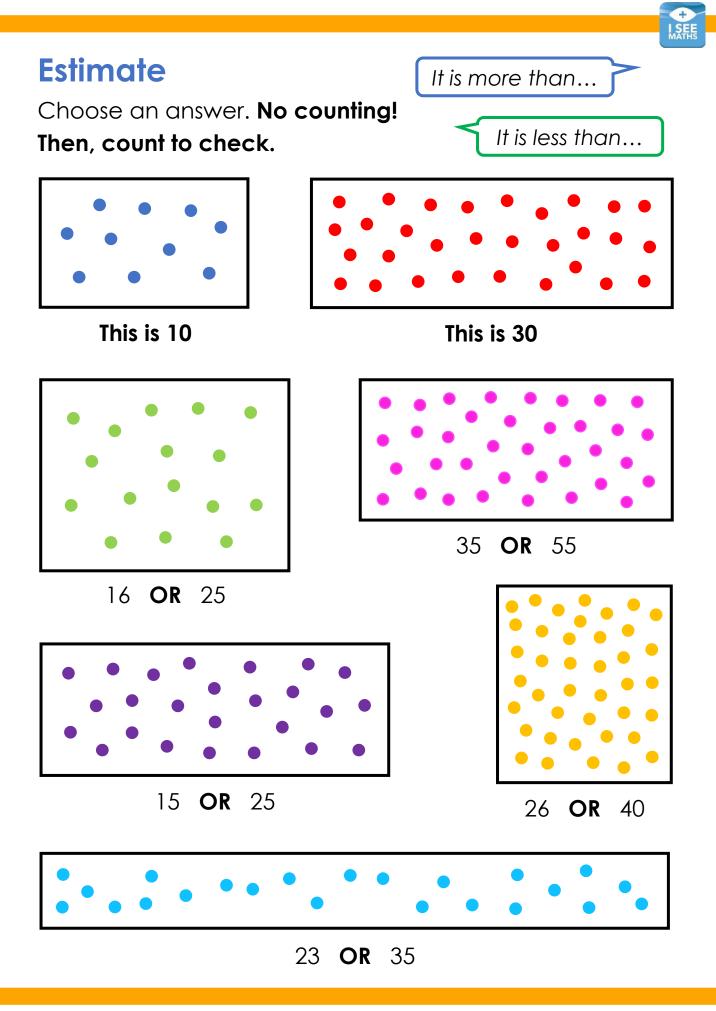


NUMBERS TO 20

Read the Pictures

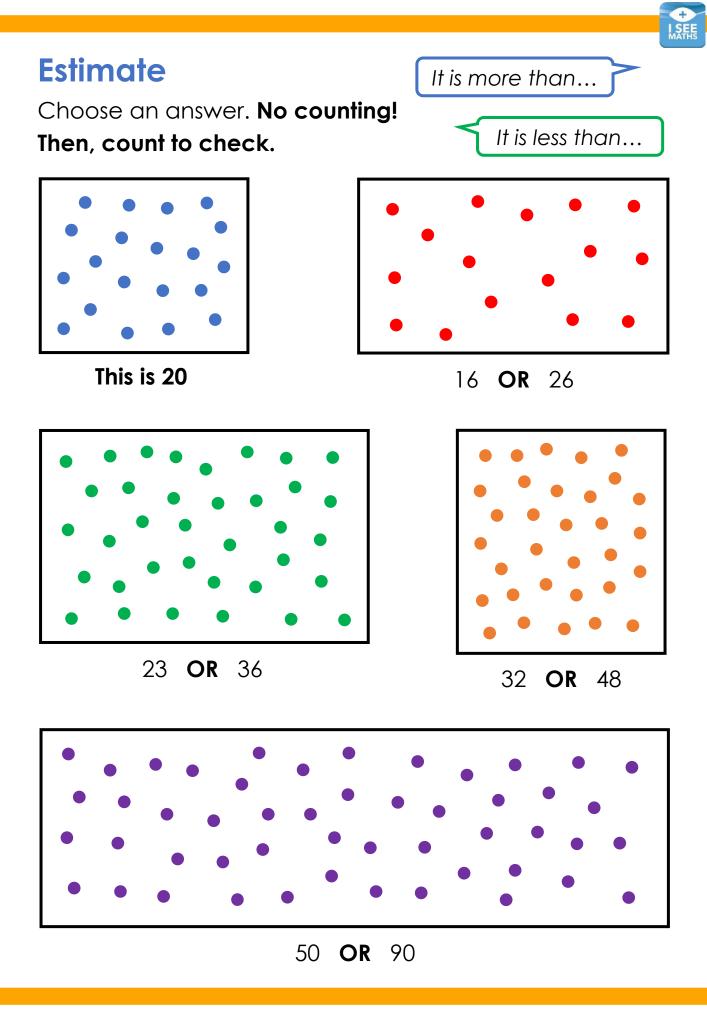
Estimate the number of blue dots. No counting!





NUMBERS TO 100

I SEE REASONING



NUMBERS TO 100

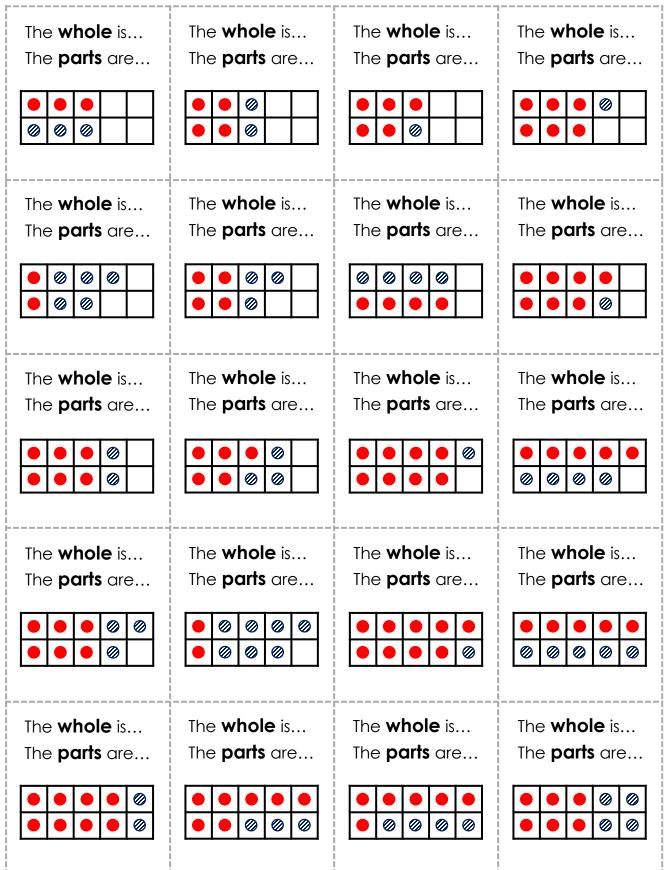
+ I SEE MATHS

Read the Pictures

The whole is	The whole is	The whole is	The whole is
The parts are	The parts are	The parts are	The parts are
	•	• •	• •
The whole is	The whole is	The whole is	The whole is
The parts are	The parts are	The parts are	The parts are
The whole is The parts are • • • •	The whole is The parts are • • • •	The whole is The parts are O O O O O	The whole is The parts are • • • • • • •
The whole is The parts are • • • • •	The whole is The parts are	The whole is The parts are • • • • •	The whole is The parts are • • • • • • • • • •
The whole is	The whole is	The whole is	The whole is
The parts are	The parts are	The parts are	The parts are
• • • • •	• • • • •	• • • • •	

ADDITION

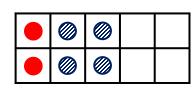
Read the Pictures

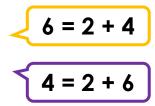


ADDITION

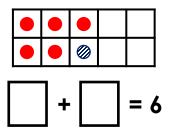


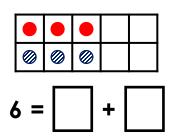
Correct or Not Correct? ✓ or ×

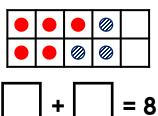


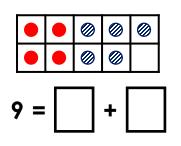


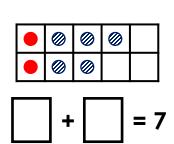
Read the Pictures

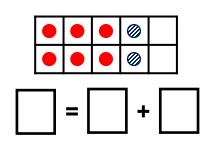




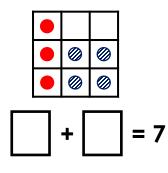


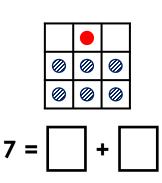


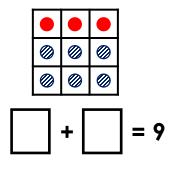


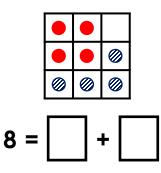


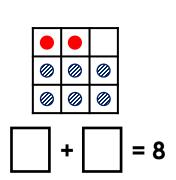
Read the Pictures

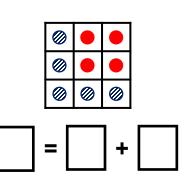






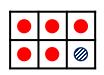


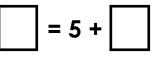


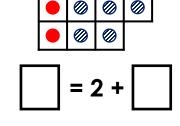


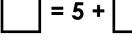
ADDITION









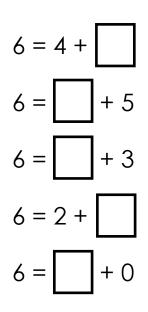


The whole is...

The parts are... and...

Explore

Show the answers with counters:



 \oslash

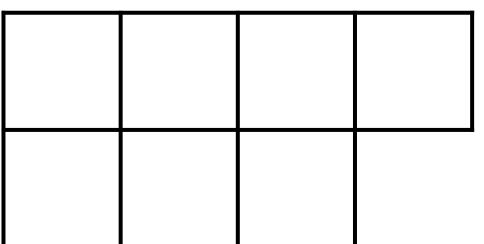
 \oslash

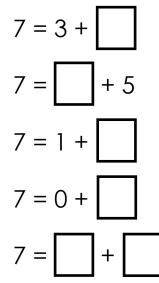
 \oslash

0

Explore

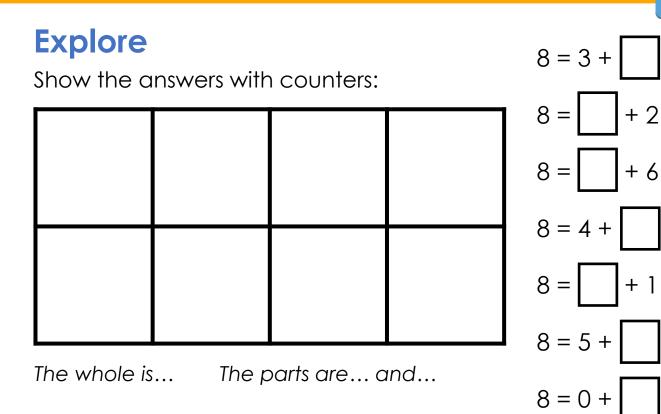
Show the answers with counters:





ADDITION

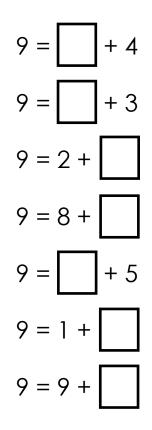
+ I SEE MATHS

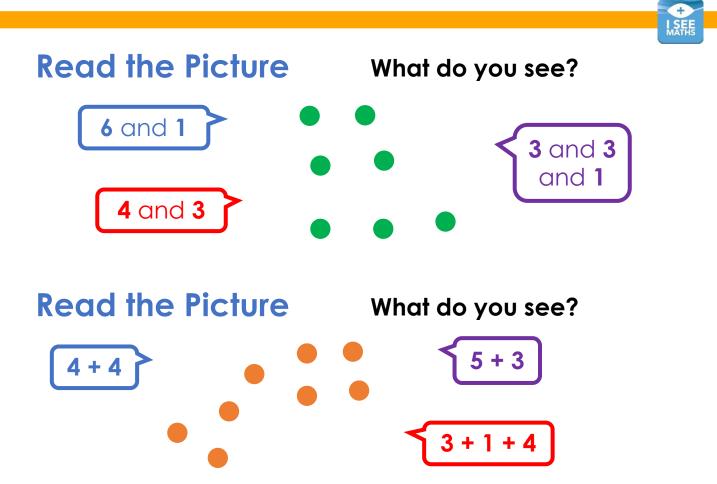


Explore

Show the answers with counters:

The whole is... The parts are... and...





Read the Picture

4 + 3 = 7	

ADDITION

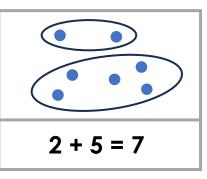
I SEE REASONING

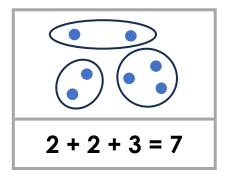
Different Ways

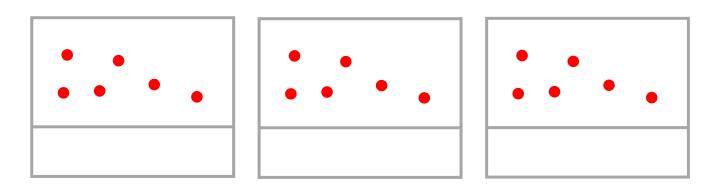
Step 1: show the parts S Example:

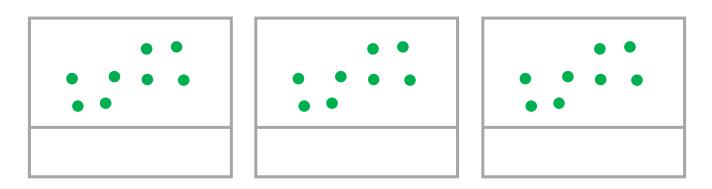
Step 1: show the parts **Step 2:** write the number sentence

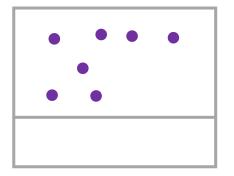
3 + 4 = 7

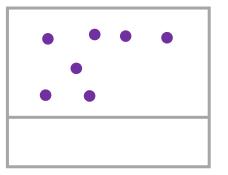


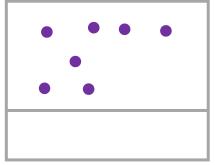












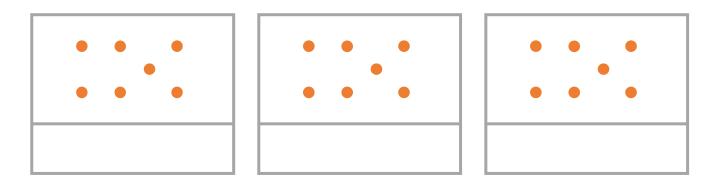
ADDITION

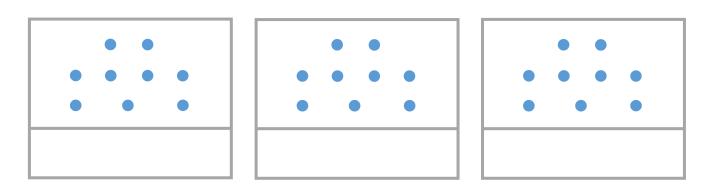
Different Ways

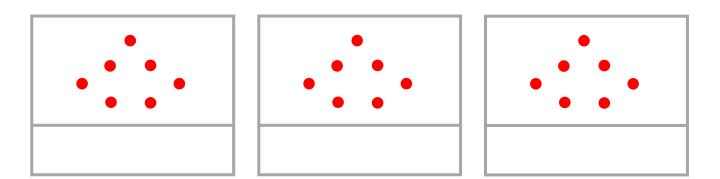
Example:

Step 1: show the parts Step 2: write the number sentence

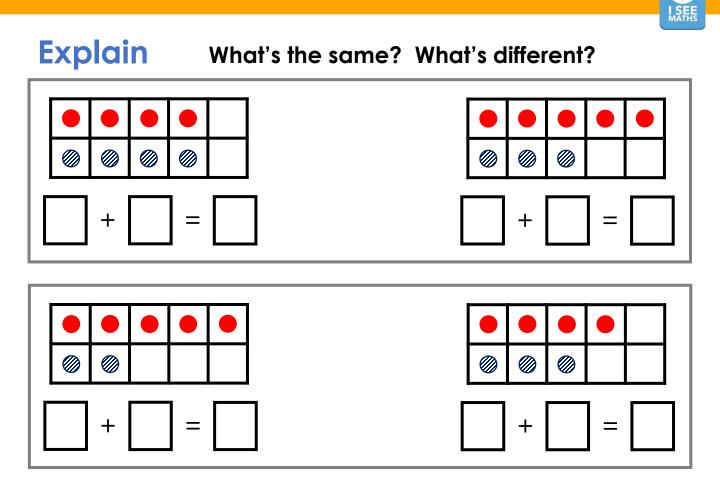
3 + 3 + 2 = 8 4 + 4 = 86 + 2 = 8



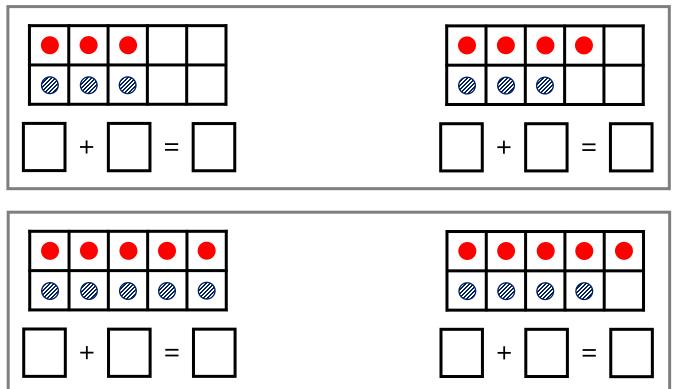




ADDITION

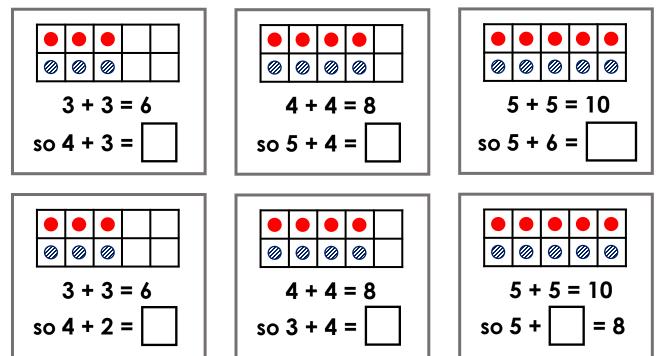


Explain What's the same? What's different?

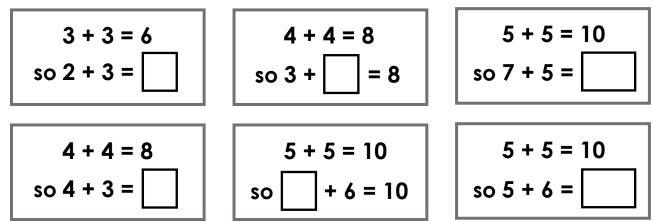


ADDITION

I know... so...



I know... so...



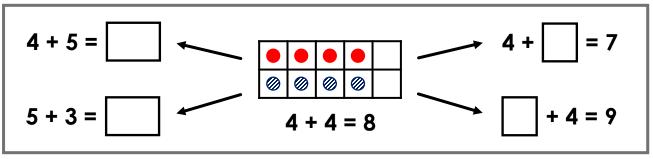
Small Difference Questions

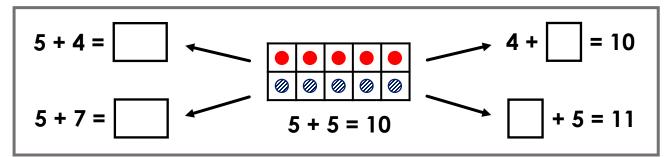
5 + 5 =	4 + 4 =	5 + 5 =
5 + 4 =	5 + 3 =	6 + 4 =
4 + 5 =	4 + 3 =	7 + 4 =

ADDITION

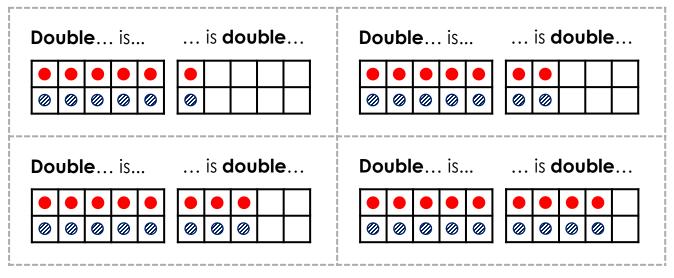
+ I SEE MATHS

I know... so...





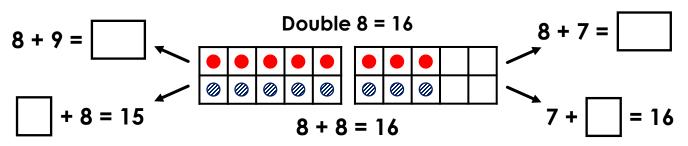
Read the Pictures



ADDITION

I know... so... 8 + 7 = 6 + 1 = 13 2 + 7 = 14 2 + 7 = 14 2 + 7 = 14 2 + 7 = 14 2 + 7 = 15

I know... so...



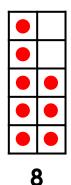
Small Difference Questions

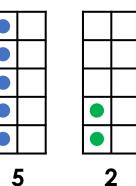
5 + 5 =	6 + 6 =	7 + 7 =
6 + 4 =	7 + 7 =	6 + 7 =
4 + 6 =	7 + 6 =	6 + 8 =
4 + 7 =	8 + 6 =	5 + 9 =

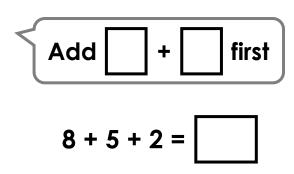
Small Difference Questions

5 + 5 =	6 + 6 =	7 + 7 =
7 + 5 =	5 + 7 =	7 + 9 =
8 + 6 =	5 + 8 =	6 + 8 =

Read the Picture

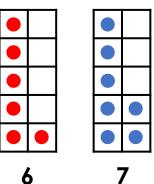




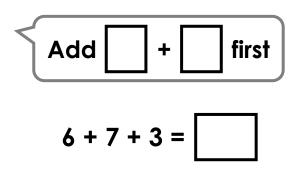


SEE

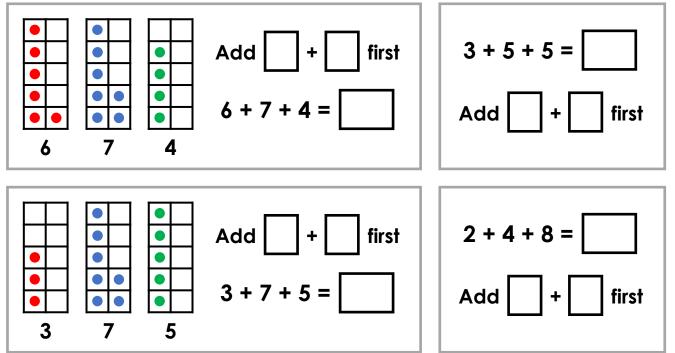
Read the Picture





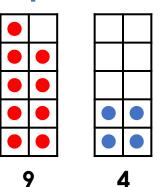


Explain





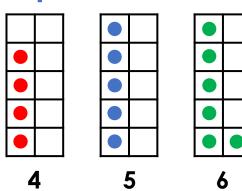
Explain





First, add... and... Move the dots to make... My way is to...

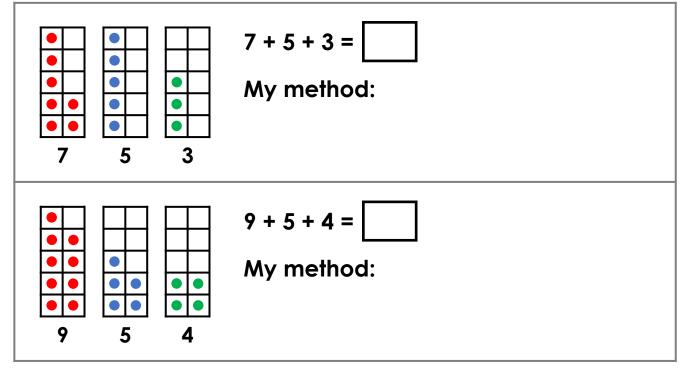
Explain



First, add... and... Move the dots to make... My way is to...

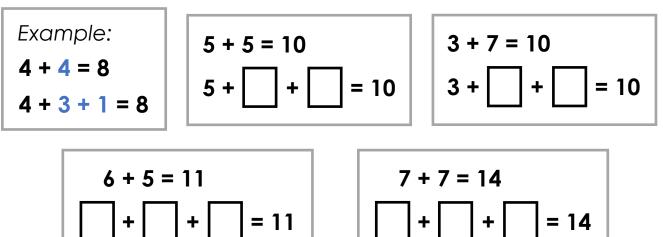
4 + 5 + 6 =

Read the Pictures





I know... so...



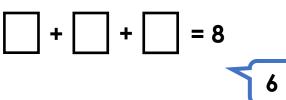
1

2

3

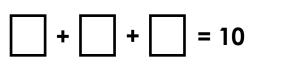
Explain the Mistake

Answer using three of the digits:



6 + 1 + 1 = 8

How Many Ways?

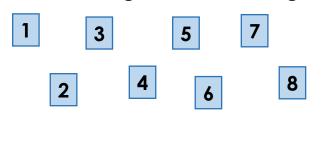


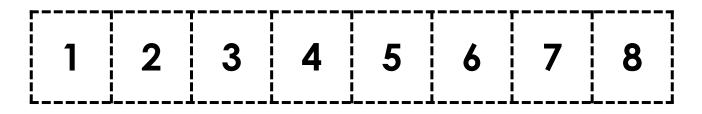
Level 1: Find an answer Level 2: Find different answers Level 3: Find all the answers Answer using three of the digits:

4

5

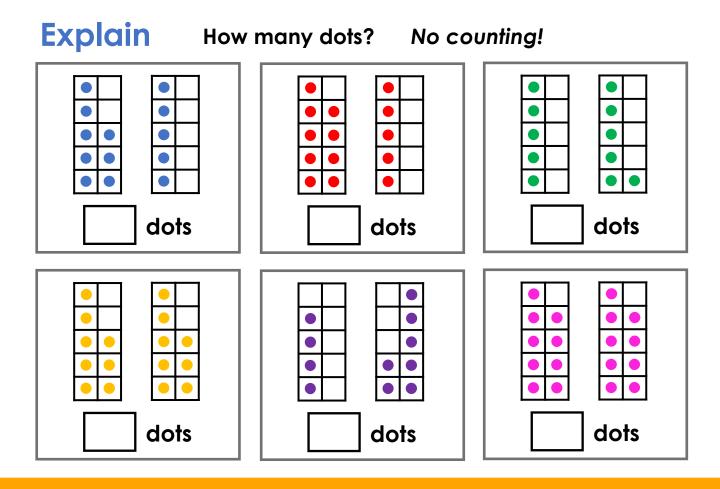
6







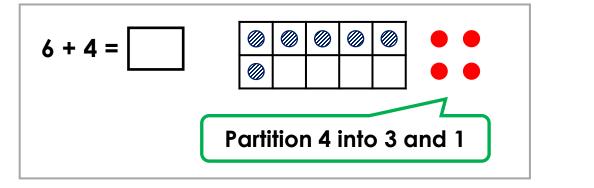
Different Ways How many dots? No counting! First, I count the 5s I count I made a 10 I move one dot I count the gaps

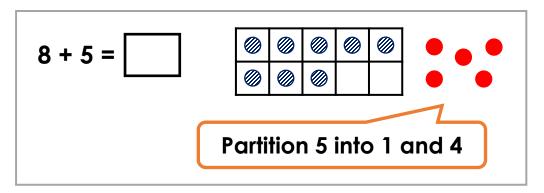


ADDITION

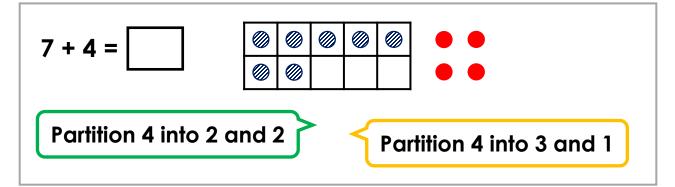


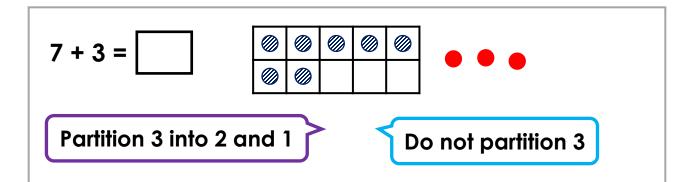
Explain the Mistakes





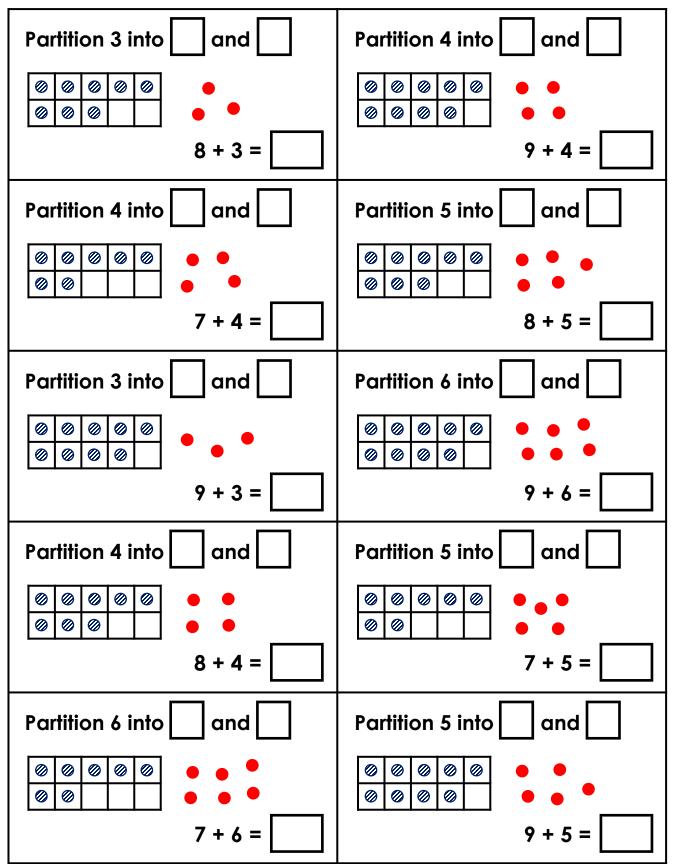
Which Answer?





+ I SEE MATHS

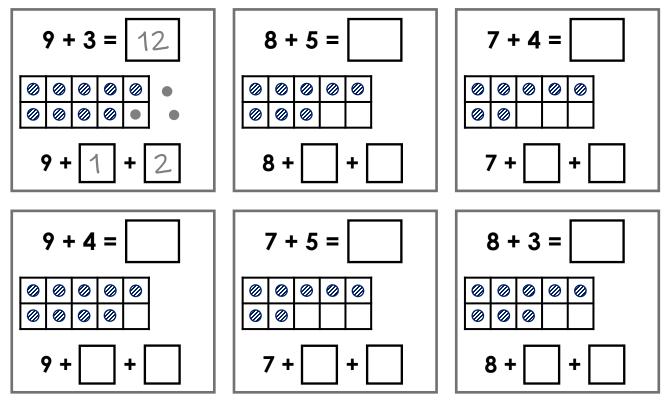
Read the Pictures



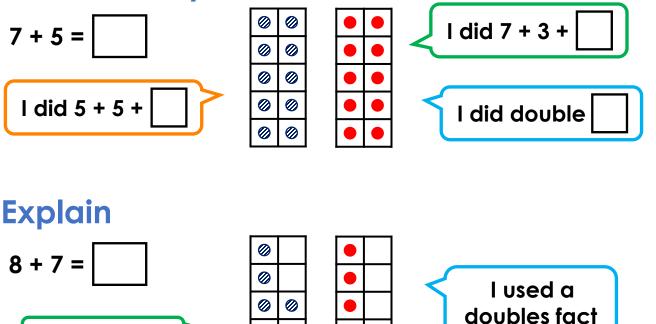
ADDITION

+ I SEE MATHS

Finish the Pictures



Different Ways



Ø

0

 \oslash

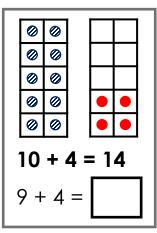
0

I made a 10

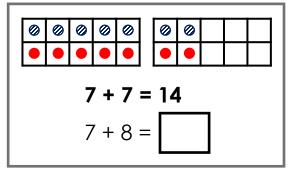
ADDITION



I know... so...



	_				
⊘	0	0	0	0	
0	0				
	+ (+ 2	-		0	



I know... so...

10 + 3 =	: 13
9 + 3 =	

6	+	6	=	12
7	+	6	=	

6 + 4 = 10 7 + 4 =

6	+	6	=	12	
6	+	5	=		

10 + 6 =	16
6 + 10 =	

7 + 7 = 14 7 + 6 =

5	+	5	=	10	
7	+	5	=		

		-		10
3	+	8	=	
7		7	_	14

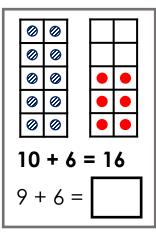
-	•	-		
8	+	6	=	

Small Difference Questions

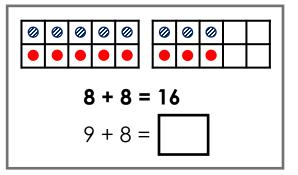
10 + 3 =	6 + 6 =	7 + 3 =
9 + 3 =	7 + 6 =	7 + 4 =
9 + 4 =	6 + 7 =	4 + 7 =
9 + 5 =	6 + 8 =	5 + 6 =



I know... so...



_					
0	0	0	0	0	
0					
•	+ 4 + {	-	: 1(: :	0	



I know... so...

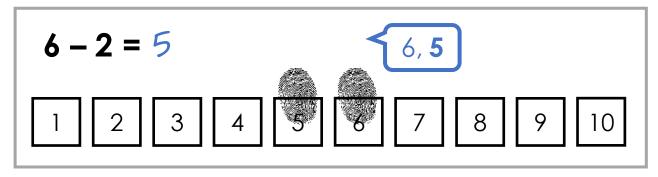
10 + 5 = 15	9 + 9 = 18	7 + 5 = <u>12</u>
9 + 5 =	9 + 8 =	8 + 5 =
7 + 7 = 14	6 + 10 = 16	3 + 7 = 10
7 + 8 =	6 + 9 =	2 + 8 =
4 + 6 = 10	8 + 8 = 16	8 + 8 = 16
5 + 6 =	8 + 7 =	9 + 7 =

Small Difference Questions

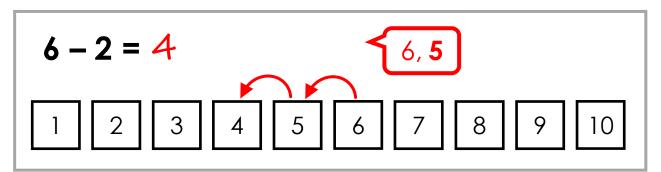
6 + 10 =	6 + 6 =	7 + 3 =
6 + 9 =	7 + 7 =	7 + 4 =
9 + 6 =	8 + 7 =	7 + 5 =
8 + 6 =	9 + 6 =	8 + 4 =



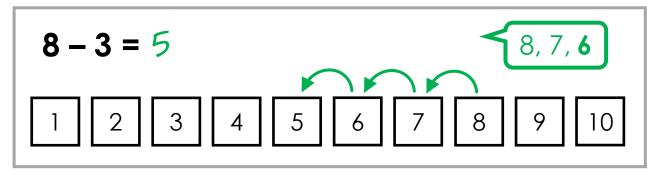
Which Answer?



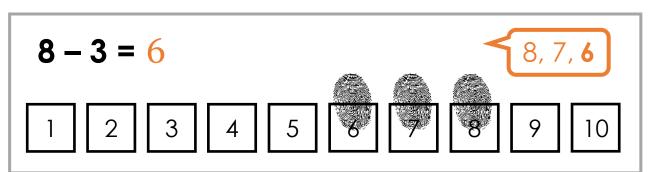
OR



Which Answer?



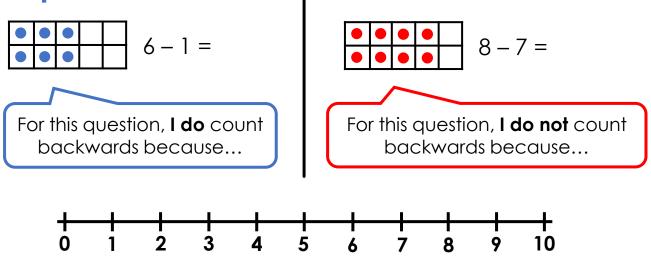
OR



SUBTRACTION

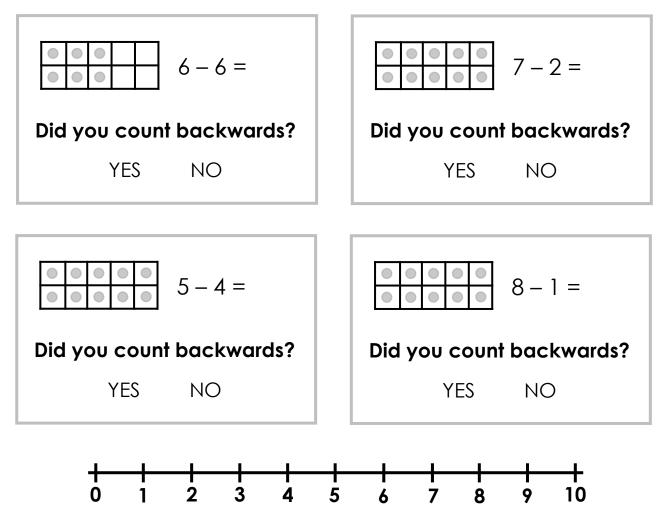


Explain



Read the Pictures

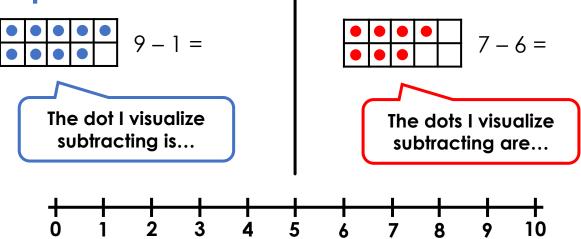
For each question, do you count backwards?



SUBTRACTION

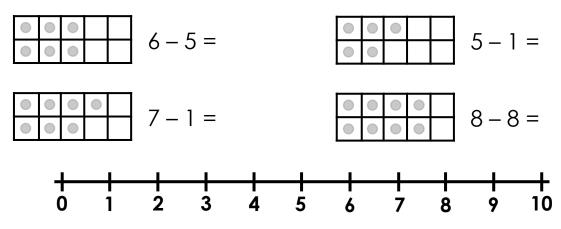
+ I SEE MATHS

Explain



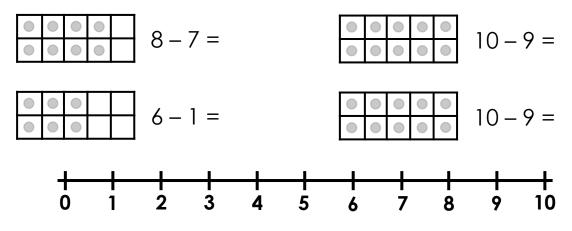
Read the Pictures

Answer without crossing out the dots:



Read the Pictures

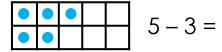
Answer **without** crossing out the dots:

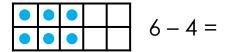


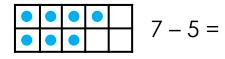
SUBTRACTION

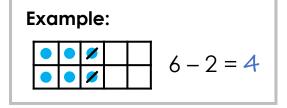


Spot the Pattern



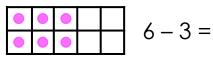


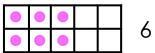




What do you notice?

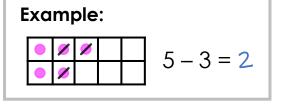
Spot the Pattern







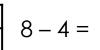
6 – 5 =

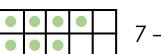


What do you notice?

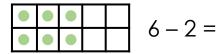


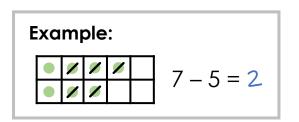










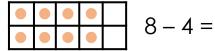


What do you notice?

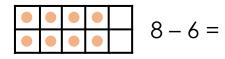
SUBTRACTION

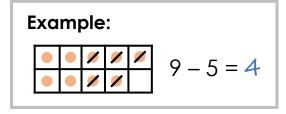


Spot the Pattern



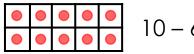


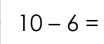




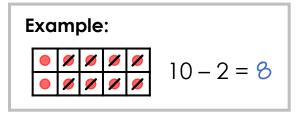
What do you notice?

Spot the Pattern

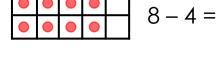




9 – 5 =

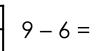


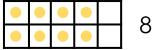
What do you notice?



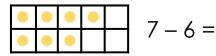
Spot the Pattern

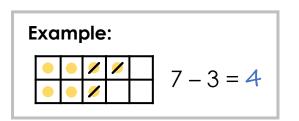






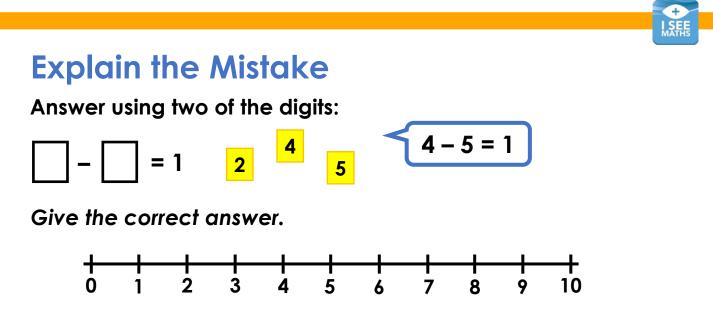






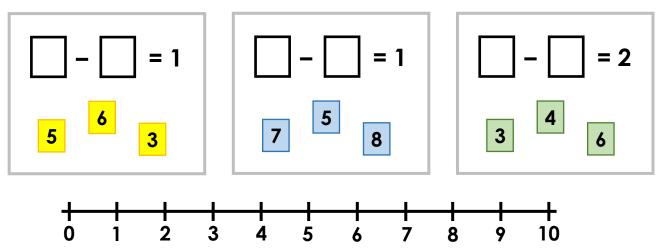
What do you notice?

SUBTRACTION



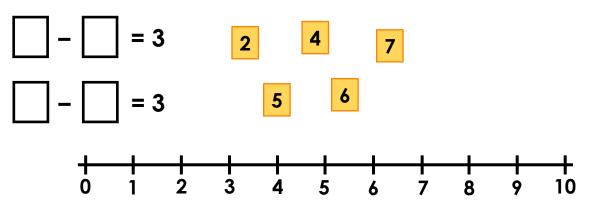
Extend

Answer using **two** of the digits:



Different Ways

Answer using four of the digits:



SUBTRACTION



Read the Picture

Ben had 4 sweets. Then, he ate 3 sweets. How many sweets did Ben have left?



The dot that is not crossed off represents...

Read the Picture

There were 4 people sat at the table. There was 1 adult and some children. **How many children were sat at the table?**



Finish the Question

There were 5 eggs in a box.



Then, 2 eggs _____

How many _____

Finish the Question

• • •

There are 6 children at the park.

There are 4 _____

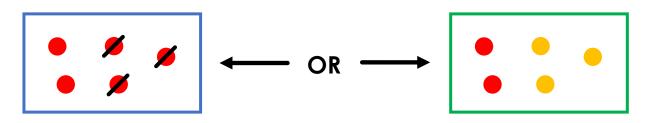
How many _____

SUBTRACTION



Which Picture?

There were 5 balloons. Then, 3 balloons popped. **How many balloons are there now?**

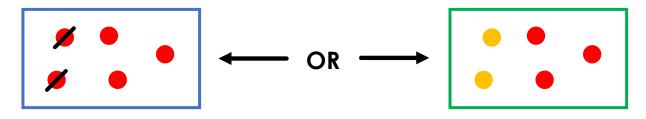


Which Picture?

There are 5 children in the playground.

2 of the children are wearing a coat.

How many children are not wearing a coat?



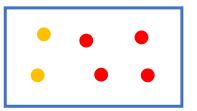
Which Picture

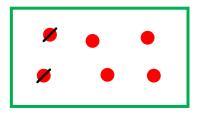
Match the stories to the pictures.

Jen has 6 cats.

2 of her cats are inside.

How many cats are outside?





Tom had 6 sweets. Then, he ate 2 sweets. **How many sweets are left?**

SUBTRACTION