

Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children will need scissors for this activity.

What number does each image represent?

Can you write the number?

How do you know which number comes first when you are ordering?

Should we look at the tens or ones first?

Which is the smallest number? How do you know?

What comes next? How do you know?

Which is the greatest number?

Can you order them from greatest to smallest?



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Diving into Mastery - Deeper

Adult Guidance with Question Prompts

Children may need a number line to 100 for this activity.

What can you tell me about the first missing number? What is it greater/smaller than?

What about the second number?

Look at the first pair. Could 45 and 85 be the missing numbers? How do you know?

Could 44 and 90 be the missing numbers? Why not?

Which are true?

Which are false?

Can you explain why?

What are all the possible missing numbers?



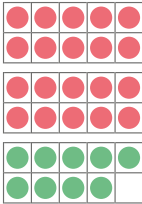
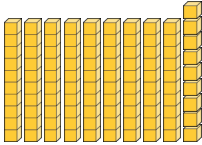

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Ordering Numbers



Write the matching digit for each representation.
Cut out and order them from the smallest number to the greatest.

		<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td>● ● ● ● ●</td><td>● ● ● ● ●</td></tr></tbody></table>	Tens	Ones	● ● ● ● ●	● ● ● ● ●
Tens	Ones					
● ● ● ● ●	● ● ● ● ●					
5 tens and 1 ones	<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td>8</td><td>5</td></tr></tbody></table>	Tens	Ones	8	5	
Tens	Ones					
8	5					

Now, muddle them up and order them from greatest to smallest.

Ordering Numbers



These numbers have been ordered from smallest to greatest.

23, 44, , 51, 67, 82, , 90

True or false...?

The missing numbers could be:

45 and 85

44 and 90

50 and 80

48 and 88

43 and 89

Write a list of all the possible missing numbers.



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Diving into Mastery - Deepest

Adult Guidance with Question Prompts

Children use their knowledge of place value, ordering, and the language of 'more' and 'less' to solve this problem.

How many cards are in each pile? Can you read the numbers aloud?

Can you order these numbers?

Which is the smallest/largest?

Which are the two largest belonging to the boys?

If Tom has more than Mohammed, how many must Tom have?

How many must Mohammed have?

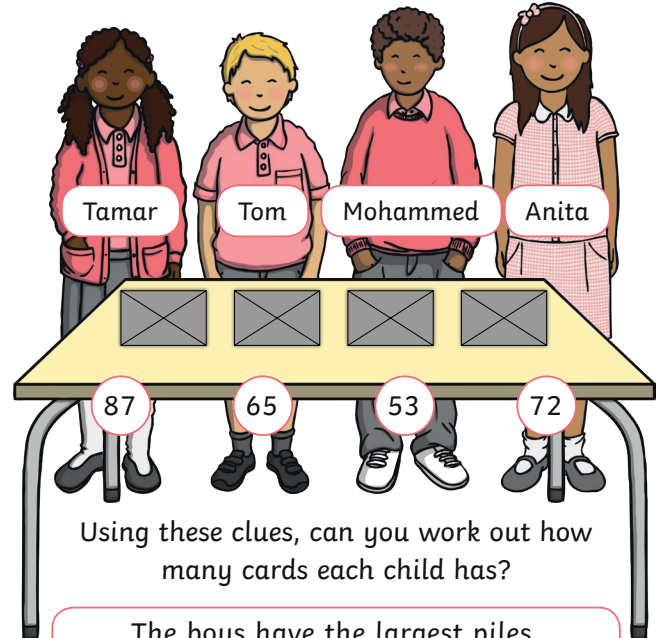
So which piles must belong to the girls?

How do we know which of the girls has the smallest pile?

Ordering Numbers



These children have been collecting football cards.



Using these clues, can you work out how many cards each child has?

The boys have the largest piles.
Tom has more than Mohammed.
Tamar has more than Anita but less than Mohammed.