

Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children should compare numbers using the language 'greater than', 'less than', 'more than', 'fewer', 'most', 'least' and 'equal to'. They should also use the symbols $<$, $>$ and $=$ to write number sentences.

What do the comparison symbols show you?

What numbers do the base ten block pictures represent? How many tens and ones can you see?

Which numbers are less than 24?

What number is equal to two tens and one one?

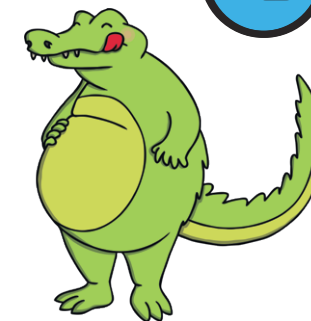
Which numbers are less than 25?

Which numbers are more than 21?

Which box matches only one of the numbers? How do you know?

Which boxes match several numbers? Why?

Compare Numbers



Match the numbers below to the correct box. You can only use each number once.

21 19 22 26

$$\square < 24$$


$$= \square$$

$$\square > 25$$

$$\square > \img alt="Base ten blocks representing 22: two tens rods and two one unit cubes" data-bbox="810 683 860 782"/>$$

If you could use the numbers more than once, which numbers could go inside more than one box?

What other numbers could go in each box?

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

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Which number has three tens?

Which number has one ten?

What number does the first picture represent?

What number does the second picture represent?

Which is the greater number? How do you know?

Which is the smaller number? How do you know?

What do the comparison symbols mean?

Which numbers are less than 31?

Which numbers are greater than 14?

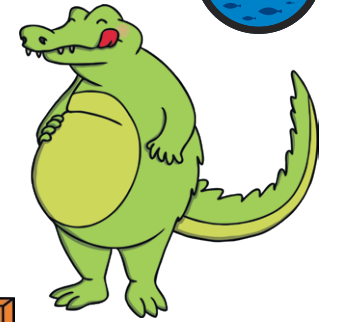
Could 32 go in the middle? Why not?

Could 15 go in the middle? Why?

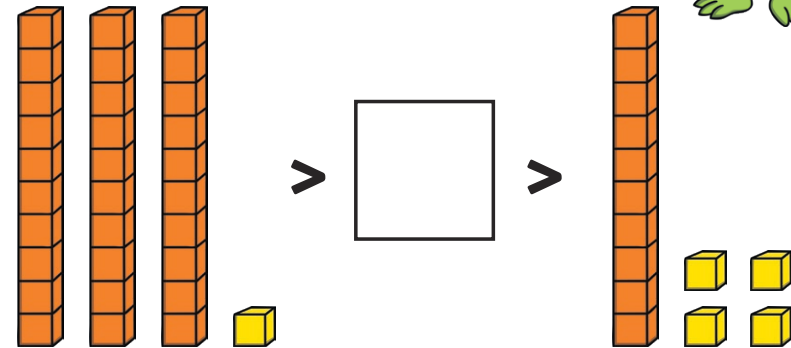
What other numbers could go into this box?

What other representations could you use to show a number that could go into the empty box?

Compare Numbers



Look at this comparison.



Lillian says that these numbers could go into the box. Is she correct? Explain your thinking.

32 25 15 12

How many different numbers could go into the box?

How many different base ten block representations could go into the box?

Can you find another way to represent your answers?

Diving into Mastery - Deepest

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What do the comparison symbols show you?

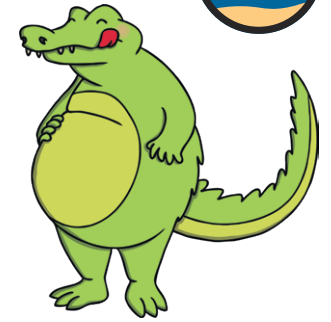
Which one of the numbers is less than ten but greater than seven?

Which one of the numbers is greater than two and greater than ten?

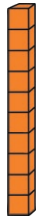
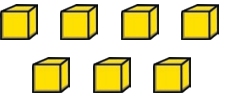


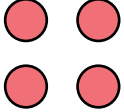
Are there any number that could go inside more than one box? Prove it.

What other number could be replaced by the number one in the centre? Prove it.

Compare Numbers



Fill in the empty boxes using the numbers 5, 6, 9 and 12.

	$>$	$>$ 
\wedge	\vee	\vee
	$>$	$<$ 
\vee	\wedge	\vee
	$<$	$<$ 

Make your own comparison puzzle for a partner to solve.