

A game/puzzle for students to learn and practise place value.

You need:

A set of five crocodile sheets (A4 size)

A set of 45 place value cards



How to play:

As a puzzle:

Cover up each crocodile with a card that can make the number on the crocodile.

For example, 2 370 could be covered with the card tens because 237 tens equal 2 370, 4 207 can be covered by the card 420 tens and ones since 420 tens and 7 ones make 4 207.

Students can be supported with materials, like play money or a calculator, if they need to check their answers.

As a game:

Each person gets a crocodile sheet so there are five players. The cards are shuffled and each player is dealt five cards.

A turn is using a card to cover a crocodile if the card works and replacing the card from the deck. Alternatively for their turn a player can trade a card they don't want with another player. They show the card to the other players and ask "Does anyone need this card?" If a player accepts the offer they allow the offering player to blindly choose one of their cards.

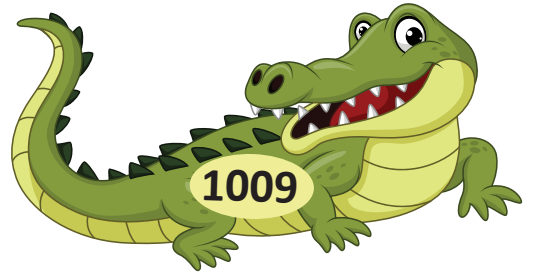
The first player to cover all of their crocodiles wins the game.

Whole number place value: Cover Cathy Crocodile 4-digits

<input type="text"/> tens	<input type="text"/> hundreds and 7 tens	2 thousands and <input type="text"/> tens
420 tens and <input type="text"/> ones	<input type="text"/> hundreds and 7 ones	4 thousands and <input type="text"/> ones
<input type="text"/> hundreds 6 tens and 3 ones	<input type="text"/> tens and 3 ones	<input type="text"/> 5 thousands, <input type="text"/> tens and 13 ones
1 thousand and <input type="text"/> ones	<input type="text"/> tens and 19 ones	<input type="text"/> hundreds and 9 ones
<input type="text"/> hundreds and 78 ones	<input type="text"/> tens and 18 ones	<input type="text"/> 3 thousands, <input type="text"/> tens and 8 ones
<input type="text"/> hundreds and 42 ones	<input type="text"/> 9 thousands, <input type="text"/> tens and 2 ones	<input type="text"/> tens and 2 ones
<input type="text"/> hundreds 4 tens and 51 ones	<input type="text"/> tens and 51 ones	<input type="text"/> 8 thousands, <input type="text"/> tens and 1 one
66 hundreds 5 tens and <input type="text"/> ones	<input type="text"/> tens and 6 ones	6 thousands, 6 hundreds and <input type="text"/> ones
<input type="text"/> 7 thousands, <input type="text"/> tens and 4 ones	<input type="text"/> hundreds 12 tens and 4 ones	7 thousands, and <input type="text"/> ones
<input type="text"/> tens	<input type="text"/> hundreds and 15 tens	7 thousands, and <input type="text"/> tens

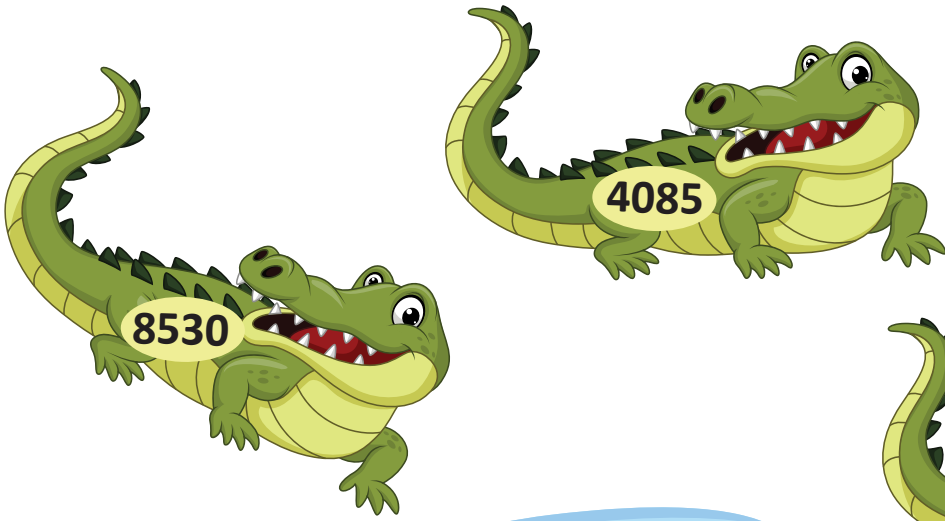
Whole number place value: Cover Cathy Crocodile 4-digits

<input type="text"/> hundreds and 7 ones	<input type="text"/> 5 thousands, <input type="text"/> tens and 7 ones	<input type="text"/> tens and 17 ones
<input type="text"/> hundreds and 85 ones	<input type="text"/> tens and 15 ones	<input type="text"/> 4 thousands, <input type="text"/> tens and 5 ones
<input type="text"/> tens	<input type="text"/> hundreds, and 3 tens	8 thousands, and <input type="text"/> tens
<input type="text"/> hundreds, 8 tens and 12 ones	<input type="text"/> tens and 2 ones	<input type="text"/> 1 thousands, <input type="text"/> tens and 12 ones
<input type="text"/> hundreds and 33 ones	<input type="text"/> tens and 13 ones	<input type="text"/> 9 thousands, <input type="text"/> tens and 3 ones



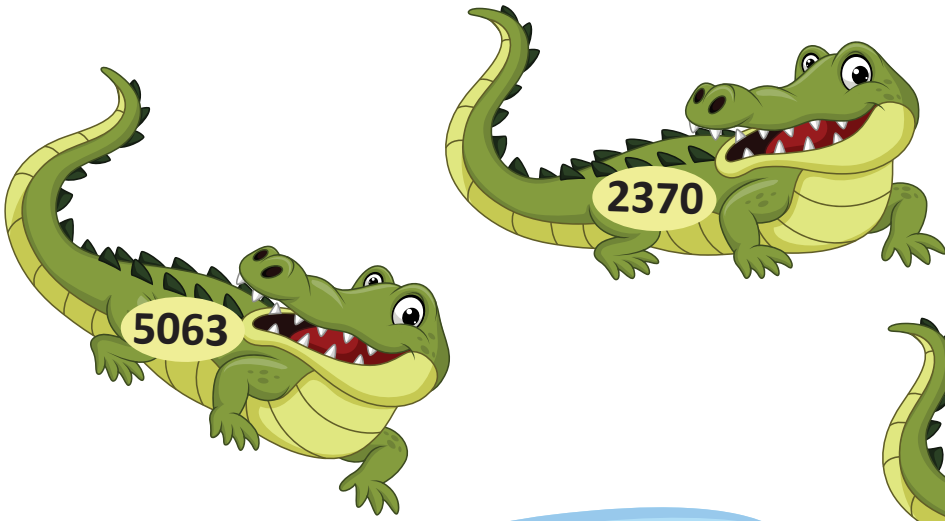
**Cover Cathy
Crocodile**





Cover Cathy Crocodile





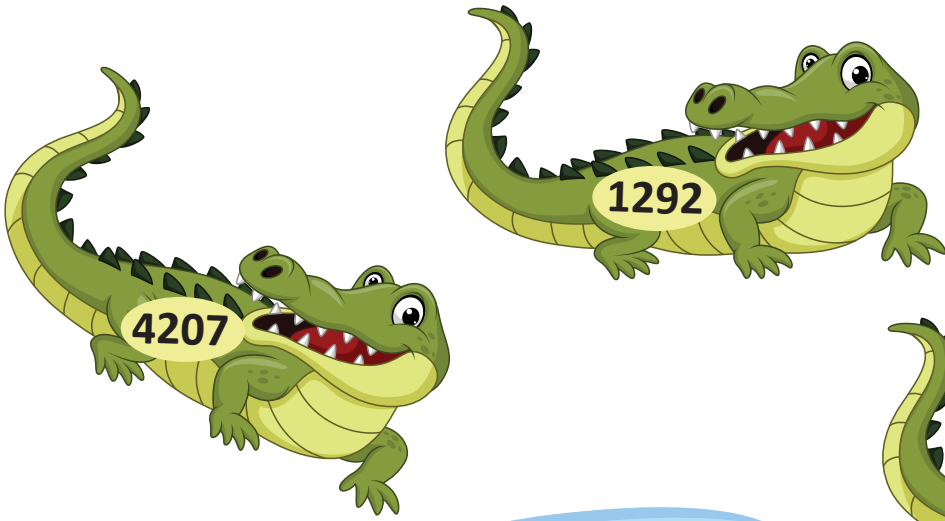
**Cover Cathy
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Crocodile**

