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, 370 could be covered with the card ☐ tens because 37 tens equal 370; 207 can be covered by the card 19 tens and ☐ ones since 19 tens and 17 ones make 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.

☐ 2 hundreds, ☐ tens and 6 ones	☐ 1 hundred, ☐ tens and 6 ones	☐ hundreds, 86 ones
2 hundreds, 7 tens and ☐ ones	☐ tens and 6 ones	☐ hundreds, 1 ten and 7 ones
☐ 4 hundreds, ☐ tens and 7 ones	4 hundreds, ☐ ones	☐ 2 hundreds, ☐ tens and 6 ones
☐ tens and 7 ones	4 hundreds, ☐ tens and 3 ones	4 hundreds, 1 ten and ☐ ones
☐ 3 hundreds, ☐ tens and 3 ones	☐ tens and 3 ones	3 hundreds, and ☐ ones

☐ 1 hundred, ☐ tens and 9 ones	☐ tens and 9 ones	15 tens and ☐ ones
☐ 1 hundred, ☐ tens and 19 ones	1 hundred, and ☐ ones	☐ hundreds, 2 tens and 8 ones
☐ 6 hundreds, ☐ tens and 9 ones	6 hundreds, and ☐ ones	7 hundreds, and ☐ ones
71 tens and ☐ ones	1 thousand and ☐ ones	☐ tens and 5 ones
☐ 9 hundreds, ☐ tens and 5 ones	99 tens and ☐ ones	9 hundreds and ☐ ones

286
640
517
Cover Cathy Crocodile
370
728
1005
423
169
809

423
320
728
Cover Cathy Crocodile
666
286
1005
169
958
517

1005
728
517
Cover Cathy Crocodile
423
704
286
930
169
865

1005
423
517
Cover Cathy Crocodile
591
728
286
890
169
207

341
608
691
Cover Cathy Crocodile
1005
423
750
728
286
517