

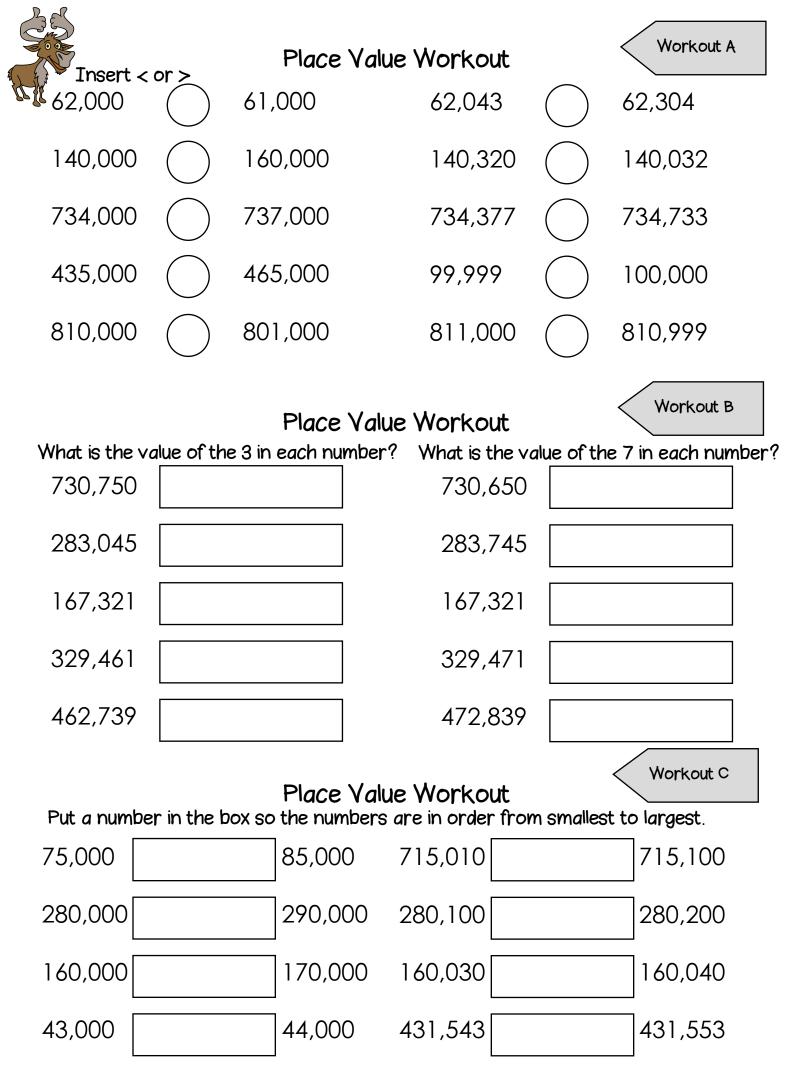


## Colin and Coco's Daily Maths Workout

Workout 5.3

Place Value





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### Largest Wins Game





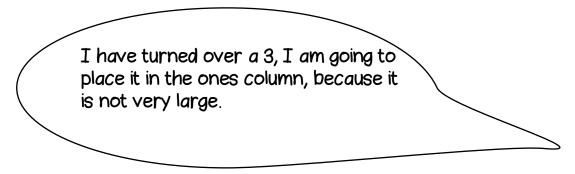
You need: A baseboard as shown at the bottom of this page) Two sets of cards 1 - 9 (Use playing cards or print off the cards at the back of the pack.)

To play:

Shuffle the two sets of cards together.

Put the cards in a deck face down.

Take it in turns to turn one card, and place it into your number template choosing whether to place it as a tens of thousands, thousands, hundreds, tens or ones digit. Once it is placed it can not be moved.



Then it is the next player's turn.

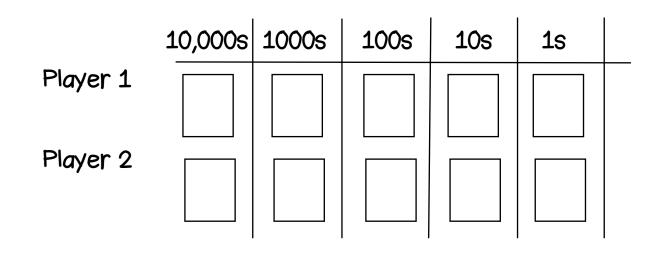
Play continues until you have both made a five digit number.

The player who has made the larger number scores a point.

To win:

The winner is the first player to score five points.

You could change the game so the winner is the player with a number closest to an agreed target such as 45,000.



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Put digits in the empty boxes so that the statements are true.

Complete them in several different ways.

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Are there any boxes that it is impossible to put a 4 in? Why? What about other impossible digits?

Are there any boxes that could have any of the digits in them?

Now complete it using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9 once each.



### Chocolate Bar Challenge



A Chocolate manufacturer sends an order to a chocolate shop.

He supplies 1 van load that has 10 pallets.

On each pallet there are ten crates.

In each crate there are ten boxes.

In each box there are ten packs.

In each pack there are ten bars.

On day 1 the shop keeper sells 1 pallet.

- On day 2 the shop keeper sells 1 crate.
- On day 3 he sells 1 box.
- On day 4 he sells 1 pack.
- On day 5, he sits down and eats 1 bar.

How many bars of chocolate does he have left?

### Word Problem Workout





Coco is deciding on a competition to enter. The prize money for the Beaks have Talent competition is £50,000 The prize money for Big Beaker is £499,990 Which competition has more prize money?

Colin is visiting mountains in the Alps. Monte Rosa is 15,203 feet high. Mont Blanc is 15,774 feet high. Dom is 14,911 feet high. Put the mountains in order of height from lowest to highest.

Colin wishes he had enough money to buy a Land Rover. A V8 Range Rover costs £69,995 A Range Rover Sport costs £66,995 A Range Rover Diesel Estate costs £105,000 A Range Rover HST costs £71,000 Put the cars in order of price from cheapest to most expensive.

British railway stations are busy places. In one day the number of passengers travelling through the following stations was: Paddington - 94,764 passengers Glasgow - 71,232 passengers Charing Cross - 104,199 passengers London Bridge - 142,465 passengers Put the stations in order from busiest to quietest.

In recent research Coco finds the approximate populations of some cities. Liverpool 522,267 Manchester 510,746 Bristol 535,907 Edinburgh 482,005 Put the populations in order of size from smallest to largest.

Create your own problems for putting numbers in order.

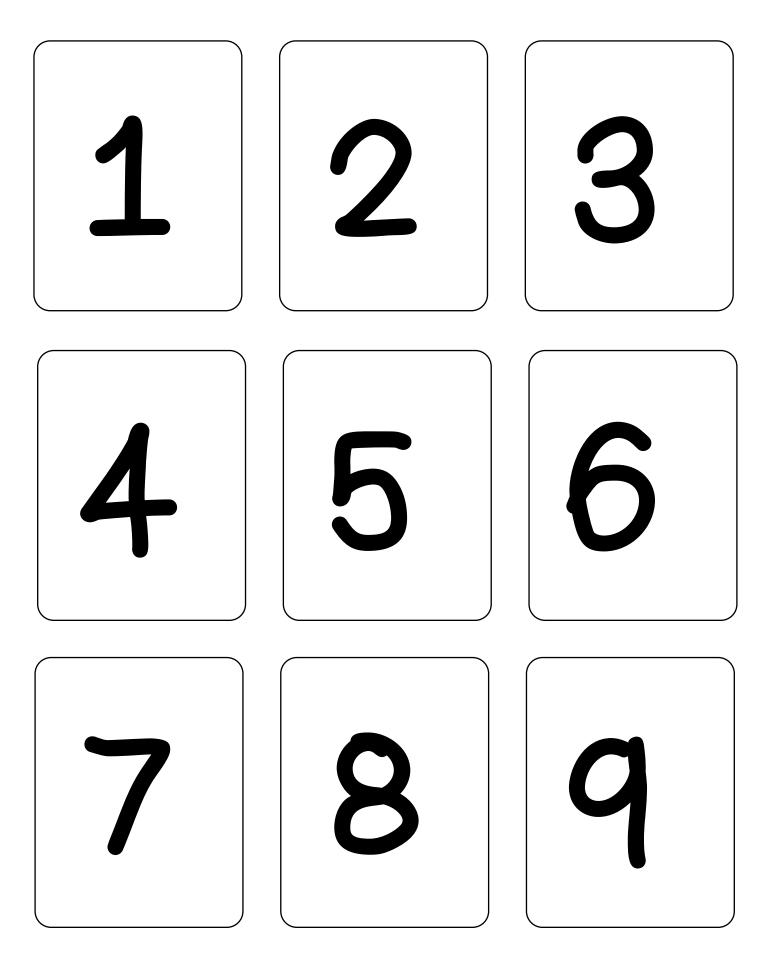




Using the digits from today's date create all the numbers from 1 - 20. You can use any or all of the four operations. You must use all the digits every time.

1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
10	20





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