



# Colin and Coco's Daily Maths Workout

Workout 5.3

Place Value





Workout A

### Place Value Workout

Insert < or >

62,000

61,000

62,043

62,304

140,000

160,000

140,320

140,032

734,000

737,000

734,377

734,733

435,000

465,000

99,999

100,000

810,000

801,000

811,000

810,999

Workout B

### Place Value Workout

What is the value of the 3 in each number?

What is the value of the 7 in each number?

730,750

730,650

283,045

283,745

167,321

167,321

329,461

329,471

462,739

472,839

Workout C

### Place Value Workout

Put a number in the box so the numbers are in order from smallest to largest.

75,000  85,000

715,010  715,100

280,000  290,000

280,100  280,200

160,000  170,000

160,030  160,040

43,000  44,000

431,543  431,553



# 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.

I have turned over a 3, I am going to place it in the ones column, because it is not very large.

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.

	10,000s	1000s	100s	10s	1s
Player 1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Player 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



## Missing Number Workout

Workout E

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

Complete them in several different ways.

$$4 \square \square , 372 < 4 \square \square , 3 \square 2$$

$$\square 2 \square , 8 \square 0 > 5 \square \square , 870$$

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

Workout F

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.



# 1 - 20 Workout

Workout H

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



## Cards for the Games

1

2

3

4

5

6

7

8

9