



# Colin and Coco's Daily Maths Workout

Workout 4.3

Answers

Place Value





# Place Value Workout

Workout A

Insert < or >

- |      |   |      |      |   |      |      |   |      |
|------|---|------|------|---|------|------|---|------|
| 6200 | > | 6100 | 5405 | < | 5504 | 5623 | < | 5632 |
| 1400 | < | 1600 | 7313 | > | 7133 | 6614 | > | 6612 |
| 3400 | < | 3700 | 1909 | > | 1809 | 8193 | < | 8198 |
| 4350 | < | 4650 | 6110 | < | 6120 | 3047 | > | 3042 |

Workout B

# Place Value Workout

Insert < or >

- |      |   |      |      |   |      |      |   |      |
|------|---|------|------|---|------|------|---|------|
| 9000 | > | 8000 | 4020 | < | 5020 | 5926 | > | 5923 |
| 1300 | < | 1800 | 8318 | < | 8636 | 4719 | > | 4714 |
| 6005 | > | 5006 | 6301 | > | 6201 | 7695 | > | 7691 |
| 1080 | < | 1090 | 9715 | > | 9625 | 5559 | < | 5560 |

Workout C

# Place Value Workout

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

- |      |                                   |      |      |                                   |      |
|------|-----------------------------------|------|------|-----------------------------------|------|
| 7500 | <input type="text" value="7600"/> | 8500 | 7510 | <input type="text" value="7514"/> | 7520 |
| 2800 | <input type="text" value="2850"/> | 2900 | 2835 | <input type="text" value="2836"/> | 2840 |
| 1600 | <input type="text" value="1640"/> | 1700 | 1999 | <input type="text" value="2002"/> | 2010 |
| 4300 | <input type="text" value="4320"/> | 4400 | 5999 | <input type="text" value="6006"/> | 6010 |

Many possible answers: example given



# 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 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 four 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.

	1000s	100s	10s	1s
Player 1	<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"/>



# Missing Number Workout

Put digits in the empty boxes so that all the numbers are in order from smallest to largest.

Complete it in several different ways.

2  9  , 29  6,  9  8,

B

A

Possible solution

2  , 3   4

Are there any boxes that it is impossible to put a 4 in? Why?

What about other impossible digits?

e.g. 4 can not go in box A because it has to be a 2 or 3 - depending on other digits.

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

e.g. Any digit 0 - 9 could go in Box B

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 pallet that has 10 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 crate.

On day 2 he sells 1 box.

On day 3 he sells 1 pack.

On day 4, he sits down and eats 1 bar.

How many bars of chocolate does he have left?

8889 bars



## Word Problem Workout

Workout G

Coco is trying to decide on her holiday.

A week with Parrots of the Carribean costs £2019

A two week trip to the Beak District costs £2109

She chooses the more expensive holiday. Where does Coco go?

Beak District

Colin is doing the Three Peaks Challenge.

Ben Nevis is 1345m high. Scafell Pike is 978m high. Snowdon is 1085m high.

Put the mountains in order of height from lowest to highest.

Scafell Pike, Snowdon, Ben Nevis

Coco is investigating South American rivers.

Purus River is 2960km long. Madiera River is 3380km long. Jurua River is 3100km long. Paraguay River is 2695km long.

Put the rivers in order from longest to shortest.

Madiera, Jurua, Purus, Paraguay

Coco is making her favourite Bird Seed Flapjacks.

The recipe says she needs 1050g of seeds. She has 1100g of seeds.

Does Coco have enough seeds to make her Flapjacks?

Yes

In recent research Colin finds the approximate populations of some villages.

Brinkworth 1387

Brockworth 7381

Bembridge 3678

Purton 3897

Put the village populations in order of size from smallest to largest.

Brinkworth, Bembridge, Purton, Brockworth

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