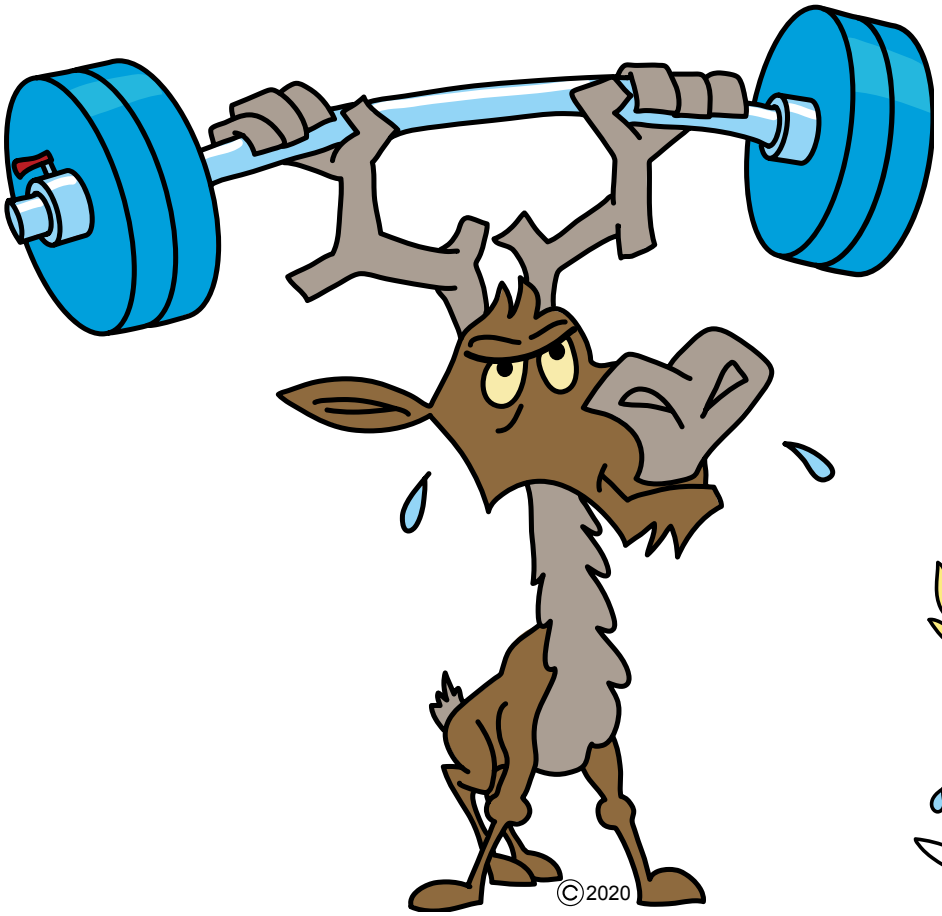
Colin and Coco's Daily Maths Workout

Workout 3.3 Answers

Place Value



Workout A

Place Value Workout

Insert < or >

620 > 611	374 < 474	540 > 520	562 < 563
140 < 162	573 < 873	730 < 780	614 > 612
345 < 375	801 > 401	190 > 180	893 < 898
435 < 461	416 < 616	110 < 120	347 > 342

Workout B

Place Value Workout

Insert < or >

900 > 800	420 < 520	440 > 430	926 > 921
130 < 180	838 > 636	348 < 351	719 > 717
600 > 500	301 > 201	629 < 630	694 > 691
108 < 109	715 > 625	860 > 859	559 < 560

Workout C

Place Value Workout

Put each set of numbers in order from smallest to largest.

113, 90, 301	90, 113, 301	701, 709, 690	690, 701, 709
208, 280, 820	208, 280, 820	811, 810, 108	108, 810, 811
166, 262, 162	162, 166, 262	299, 209, 301	209, 299, 301
401, 104, 140	104, 140, 401	903, 319, 390	319, 390, 903

Plot It Game

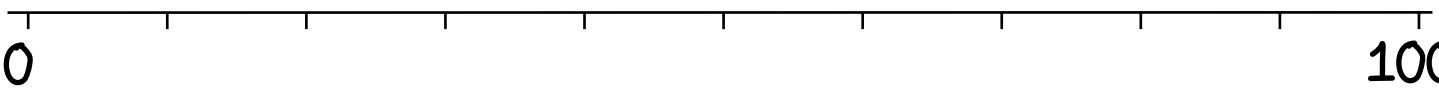
You need:
0 - 1000 benchmarked number line (at the bottom of this page.)
Two sets of cards 1 - 9 (Use playing cards or print off the cards at the back of the pack.)

To play:
Shuffle the two sets of cards together.
Put the cards in a deck face down.
Take it in turns to turn over three cards, to make a three-digit number.
Choose which digit represents the hundreds,and which represents the tens and which represents the ones.
Plot your number on the number line, convincing your opponent that you are plotting it in the correct place.
Put the cards randomly back into the deck.

I have turned over a 3, a 5 and a 7
If I have 5 hundreds, 3 tens and 7 ones the number is five hundred and thirty-seven.

Then it is the next player's turn.

To win:
The winner is the first player to get 4 of their points plotted without any of their opponent's points in between.



Missing Number Workout

Workout E

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

Complete it in several different ways.

1 [3] 9, 1 [4] 2, 14 [8] , 1 [5] [7] ,
B

[1] [9] 5, 2 [0] [6] , [2] 10
A

Are there any boxes that it is impossible to put a 3 in? Why? What about other impossible digits?

e.g. 3 can not go in box A because it needs 1 or 2 hundreds depending on the other digits.

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

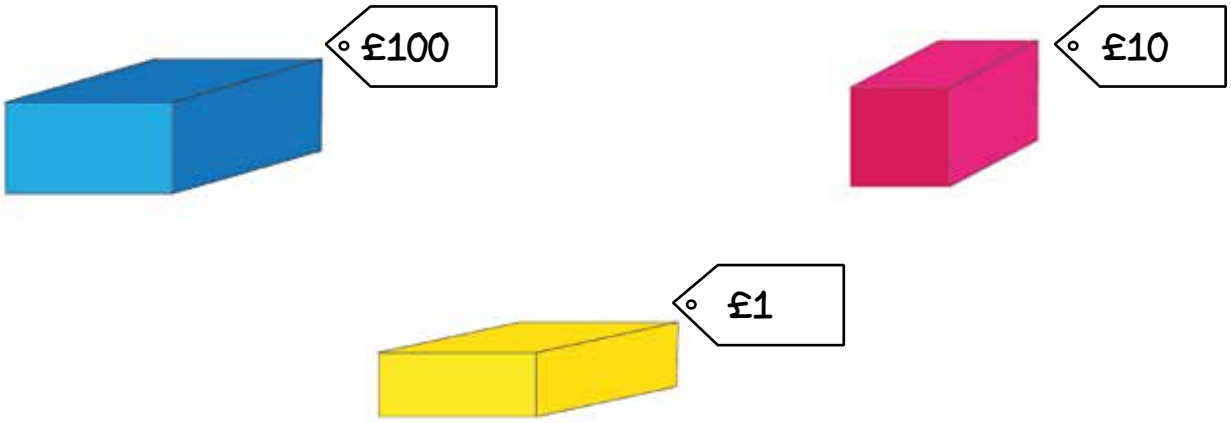
e.g. Any digit could go in box B because the tens in the numbers either side are different so the number of ones could be 0 - 9

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

Gifts Challenge

Workout F

Colin is buying gifts for his friends.
He has 6 friends and wants to buy them one gift each.
He spends over £100



Colin chooses six gifts.
How much might they cost in total?

Find as many different totals as you can for Colin's 6 gifts.
How can you keep track of your results?

600	510	420	330	240	150
	501	411	321	231	141
		402	312	222	132
			303	213	123
				204	114
					105

What do you notice about your results?
What would happen to them if he only bought five gifts?

Word Problem Workout

Workout G

Each pack has ten pens in it.
There are ten packs in a crate.
A shop has three crates and four packs.
How many pens are there in total?

340

Coco's crackers have ten in a pack.
She has fifteen full packs. She eats 1 cracker.
How many crackers does she have left?

149

Apples come in boxes of one hundred and bags of ten.
Colin has five boxes and 3 bags of apples.
Coco has four boxes and fourteen bags of apples.
Who has more apples?

Coco - 540

Colin has 210 Cat Woman stickers, 120 Batman stickers and 199 Superman stickers.
Put his stickers in order, from least to most.

Superman, Batman, Cat Woman

Coco, Colin and Steve are playing a game.
Coco scores 290
Steve score 219
Colin scores 289
Who won the game? Who came last?

Coco won
Steve came last

Create your own problems for putting numbers in order.

Workout H

Number of the Day Workout

Today's number is

Write it in words

Draw It

Double It

Halve It

List its factors

List some multiples

10 more

10 less

Calculation so it is the difference.

Calculation so it is the total.

Cards for the Games

1	2	3
4	5	6
7	8	9