



# Colin and Coco's Daily Maths Workout

Workout 3.3

Answers

Place Value





# Place Value Workout

Workout A

Insert < or >

- |  |  |  |  |
|--|--|--|--|
| 620 <input checked="" type="radio"/> 611 | 374 <input checked="" type="radio"/> 474 | 540 <input checked="" type="radio"/> 520 | 562 <input checked="" type="radio"/> 563 |
| 140 <input checked="" type="radio"/> 162 | 573 <input checked="" type="radio"/> 873 | 730 <input checked="" type="radio"/> 780 | 614 <input checked="" type="radio"/> 612 |
| 345 <input checked="" type="radio"/> 375 | 801 <input checked="" type="radio"/> 401 | 190 <input checked="" type="radio"/> 180 | 893 <input checked="" type="radio"/> 898 |
| 435 <input checked="" type="radio"/> 461 | 416 <input checked="" type="radio"/> 616 | 110 <input checked="" type="radio"/> 120 | 347 <input checked="" type="radio"/> 342 |

Workout B

# Place Value Workout

Insert < or >

- |  |  |  |  |
|--|--|--|--|
| 900 <input checked="" type="radio"/> 800 | 420 <input checked="" type="radio"/> 520 | 440 <input checked="" type="radio"/> 430 | 926 <input checked="" type="radio"/> 921 |
| 130 <input checked="" type="radio"/> 180 | 838 <input checked="" type="radio"/> 636 | 348 <input checked="" type="radio"/> 351 | 719 <input checked="" type="radio"/> 717 |
| 600 <input checked="" type="radio"/> 500 | 301 <input checked="" type="radio"/> 201 | 629 <input checked="" type="radio"/> 630 | 694 <input checked="" type="radio"/> 691 |
| 108 <input checked="" type="radio"/> 109 | 715 <input checked="" type="radio"/> 625 | 860 <input checked="" type="radio"/> 859 | 559 <input checked="" type="radio"/> 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

Workout D

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.

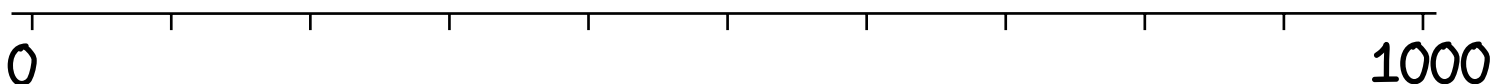
Put the cards randomly back into the deck.

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  9, 1  2, 14  , 1   <sub>B</sub> ,  
<sub>A</sub>   5, 2   ,  10

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

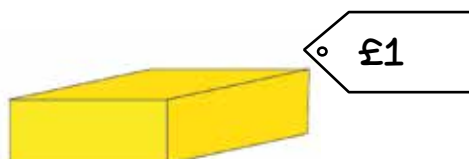
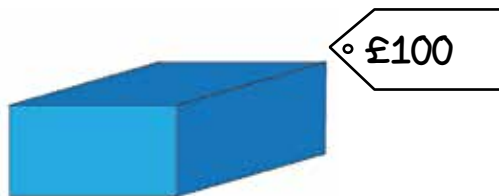
Now complete it using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9 once each.



## 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.



# Number of the Day Workout

Workout H

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