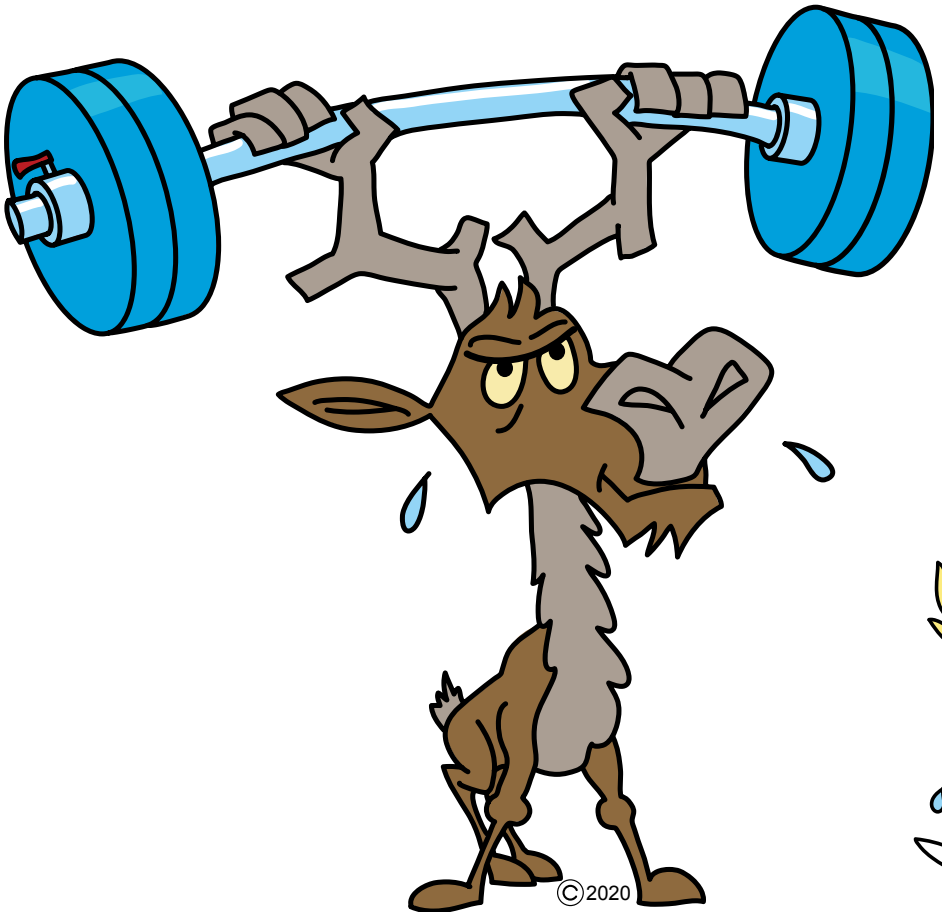
Colin and Coco's Daily Maths Workout

Workout 5.3 Answers

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	30 thousands	730,650	700 thousands
283,045	3 thousands	283,745	7 hundreds
167,321	3 hundreds	167,321	7 thousands
329,461	300 thousands	329,471	seventy, 7 tens
462,739	thirty, 3 tens	472,839	70 thousands

Workout C

Place Value Workout

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

75,000	75,500	85,000	715,010	715,050	715,100
280,000	285,000	290,000	280,100	280,160	280,200
160,000	165,000	170,000	160,030	160,032	160,040
43,000	43,900	44,000	431,543	431, 550	431,553

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 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					
Player 2					

Missing Number Workout

Workout E

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

Complete them in several different ways.

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

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

A B

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

e.g. It is impossible to put a 4 in box A because it needs to be greater than 500,870

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

e.g. It is possible to put any digit in box B depending on the thousands digit.

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?

88,889 bars

Word Problem Workout

Workout G

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?

Big Beaker

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.

Dom , Monte Rosa, Mont Blanc

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.

Sport, V8, HST, Estate

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.

London Bridge,Charing Cross, Paddington, Glasgow

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.

Edinburgh, Manchester, Liverpool, Bristol

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