Colin and Coco's Daily Maths Workout

Workout 3.8 Answers

KeeP-uppI (Term 1)

Introducing KeePuppI
the CanDo KerryBlue

KPIs for Term 1
Read and write 3-digit numbers
Compare and order numbers up to 1000
Finding 10 or 100 more or less than a given number
Recognise and count in tenths
Recognise horizontal, vertical, perpendicular and parallel lines

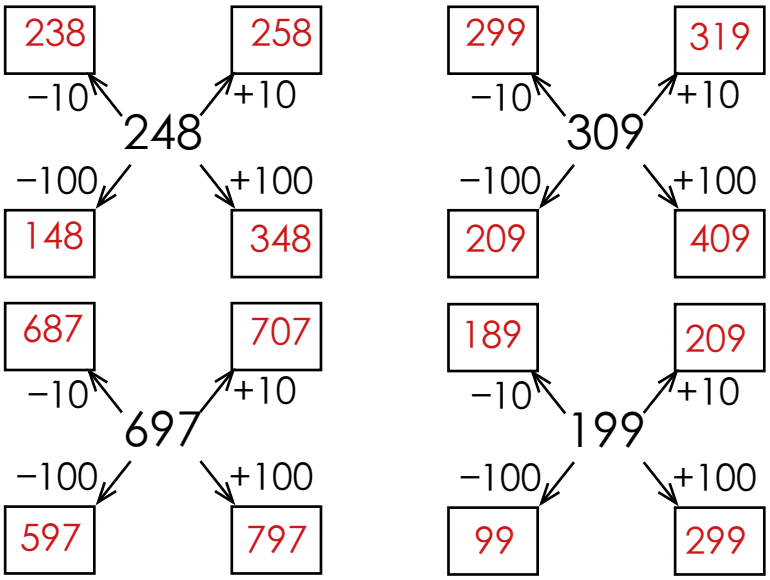
Workout A

Place Value Workout

What are the numbers?

100s	10s	1s	
●	●	● ●	214
● ●	● ●	●	431
● ●		● ● ●	305
●	● ● ● ●		190

Calculate and fill in the boxes.



Workout B

Place Value Workout

Insert < or >

237 < 239

302 > 298

143 < 149

414 > 141

832 > 818

998 > 989

415 > 414

490 < 500

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

301, 319, 299 — 299, 301, 319

410, 401, 104 — 104, 401, 410

990, 809, 890 — 809, 890, 990

730, 307, 370 — 307, 370, 730

Workout C

Place Value Workout

Count up in tenths for 4 steps from:

0.2 — 0.3, 0.4, 0.5, 0.6

0.5 — 0.6, 0.7, 0.8, 0.9

$\frac{6}{10}$ — $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$

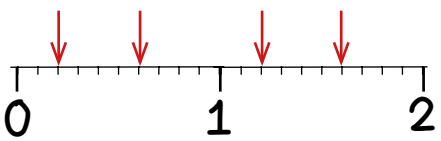
Count down in tenths for 4 steps from:

$\frac{6}{10}$ — $\frac{5}{10}$ $\frac{4}{10}$ $\frac{3}{10}$ $\frac{2}{10}$

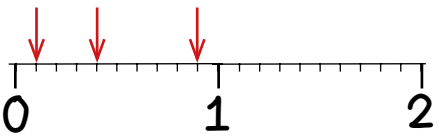
0.8 — 0.7, 0.6, 0.5, 0.4

1.2 — 1.1, 1.0, 0.9. 0.8

Plot 0.2, 0.6, 1.2, 1.6 on the line.



Plot $\frac{4}{10}$, $\frac{1}{10}$, $\frac{9}{10}$ on the line.



10 or 100 More or Less Game

Workout D

You need:
1000 Board (on the next page.)
Two sets of cards 0 - 9 (cards at the back of the pack.)
Counters or coloured pencils for each player.

To play:
Shuffle the two sets of cards together.
Put the cards in a deck face down.
Take it in turns to turn over two cards. The first one is the hundreds digit, the second one is the tens digit. The ones digit is a zero every time.
(Once you have played this a few times, allow players to choose which digit represents the hundreds and which represents the tens.)
Choose whether to find 10 or 100 more or less than your number and cover the answer on the board.

I have turned over a 3 and a 7
If I have 3 hundreds and 7 tens and no ones, the number is three hundred and seventy.
I will find ten more than 370
I will cover 380 on the board.

Place the cards in a discard pile, then it is the next player's turn.

If all the cards have been used, shuffle them and continue playing.

To win:
The winner is the first player to get 5 in a line vertically, horizontally or diagonally.

10 or 100 More or Less Game Board

100	200	300	400	500	600	700	800	900	1000
90	190	290	390	490	590	690	790	890	990
80	180	280	380	480	580	680	780	880	980
70	170	270	370	470	570	670	770	870	970
60	160	260	360	460	560	660	760	860	960
50	150	250	350	450	550	650	750	850	950
40	140	240	340	440	540	640	740	840	940
30	130	230	330	430	530	630	730	830	930
20	120	220	320	420	520	620	720	820	920
10	110	210	310	410	510	610	710	810	910

Missing Number Workout

Workout E

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

Complete it in several different ways.

Possible solution

4 0 7, 4 1 2 , 41 8 , 4 9 7,

5 3 4, 5 6 4, 56 7

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.

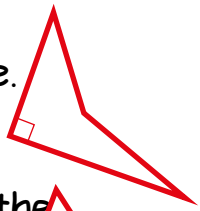
Sketching Shapes Challenge

Workout F

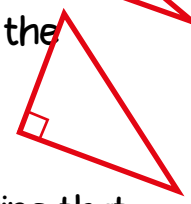
Colin is challenging Coco to draw 2D shapes following certain rules.
Try to sketch Colin's shapes.

Possible solutions.

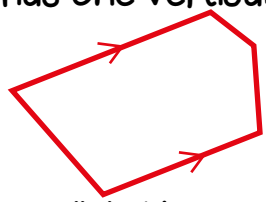
Shape A has 4 straight sides. It has no vertical lines and only one right angle.



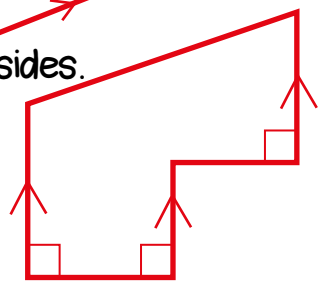
Shape B has 3 straight sides, including a pair of perpendicular lines. None of the sides are horizontal.



Shape C is a pentagon. It has one pair of parallel sides. It has one vertical line that is not perpendicular to any lines.

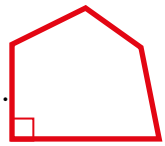


Shape D is a hexagon. It has three right angles and three parallel sides.

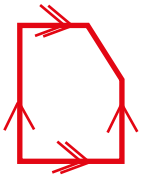


Sketch several different pentagons with:

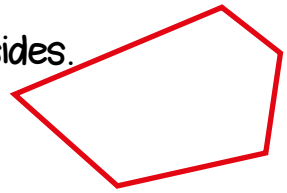
two perpendicular sides, one horizontal line.



two pairs of parallel sides.



no horizontal, vertical or parallel sides.



Write your own rules for a hexagon and sketch a hexagon to match them.

Word Problem Workout

Workout G

1. Staples are sold in packs of one hundred, or in half packs of fifty.
   A teacher buys four hundred and fifty pens.
   How many packs of one hundred or half packs of fifty pens does he buy?

   For example: 4 x 100 plus 1 x50
   or 3 x 100 plus 3 x 50 etc.

2. Coco makes three journeys. Her first journey is 204km. Her second journey is 240km and her third journey is 190km.
   Which was the longest journey? Which was the shortest journey?

   Longest 240km - second journey
   Shortest 190km - third journey

3. Colin collects 103 superhero stickers.
   Coco collects ten less superhero stickers than Colin.
   How many stickers does Coco have?

   93

4. Colin wants to order a sign for his door. He needs to fill in the order form for the number in words. The number is 514
   What does he write?

   Five hundred and fourteen

5. Coco says that if she counts up from 0.2 in tenths only the tenths digit changes.
   Do you agree? Explain your thinking.

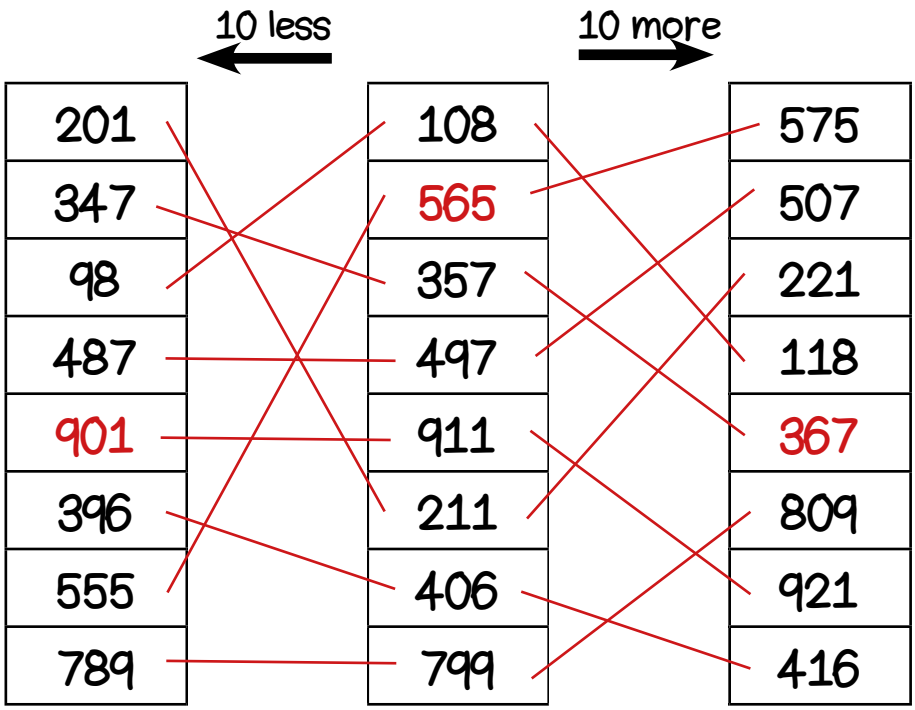
   No. Ones digit changes after 0.9

Create your own problems comparing and ordering 3-digit numbers.

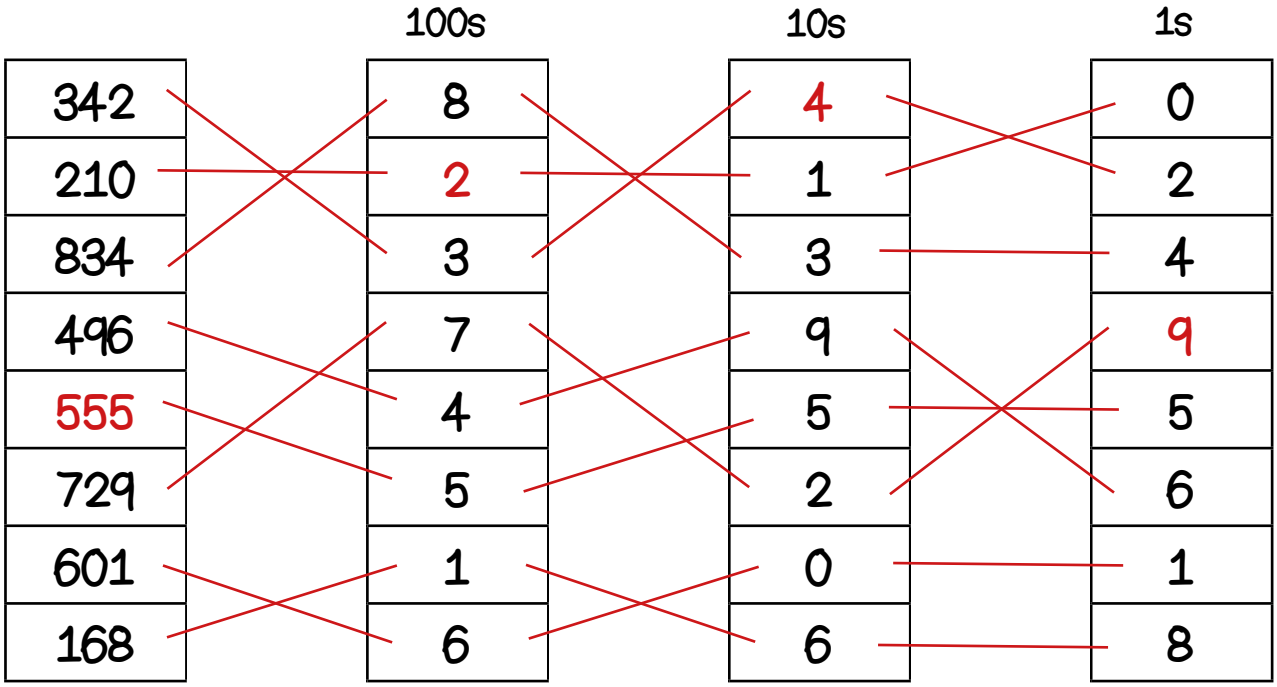
Matching Workout

Workout H

Match numbers, so the first number is ten less than the middle number, and the last number is ten more than the middle number. Find the missing numbers.



How many hundreds, tens and ones make up each number?
Join them to the correct number. Find the missing numbers.



Create your own Matching Workout'.

Cards for the Games

1	2	3
4	5	6
7	8	9
0		