



# Keep-uppI Maths Workout



Year 3 - Pack 1      **Answers**

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

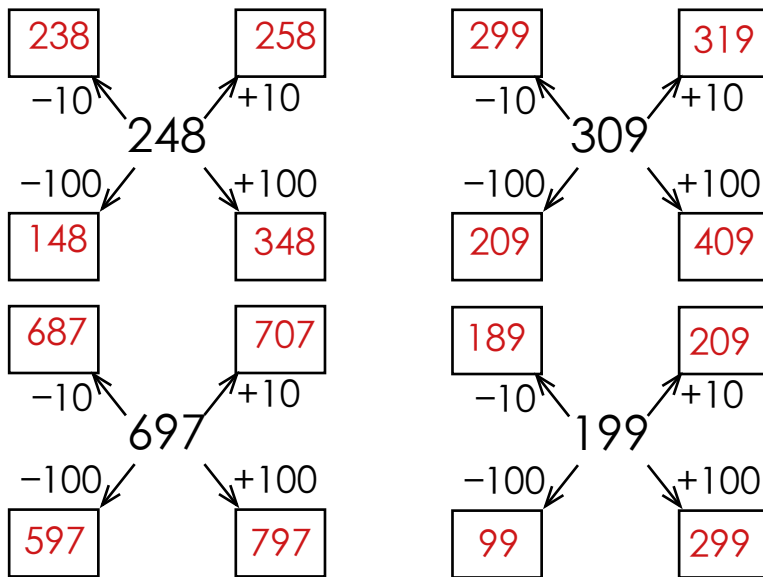


### Place Value Workout

What are the numbers?

Calculate and fill in the boxes.

100s	10s	1s	
			214
			431
			305
			190



### Place Value Workout

Insert < or >

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

237 < 239

302 > 298

301, 319, 299

299, 301, 319

143 < 149

414 > 141

410, 401, 104

104, 401, 410

832 > 818

998 > 989

990, 809, 890

809, 890, 990

415 > 414

490 < 500

730, 307, 370

307, 370, 730

### Place Value Workout

Count up in tenths for 4 steps from:

Count down in tenths for 4 steps from:

0.2 0.3, 0.4, 0.5, 0.6

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

0.5 0.6, 0.7, 0.8, 0.9

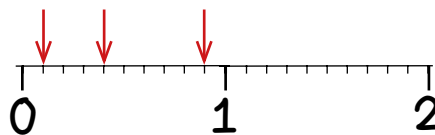
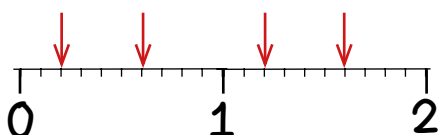
0.8 0.7, 0.6, 0.5, 0.4

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

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

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

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



# 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  7, 4  , 41 ,   7,

4, 5  4, 56

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

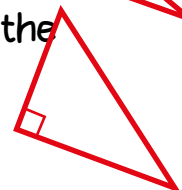
Colin is challenging Coco to draw 2D shapes following certain rules.  
Try to sketch Colin's shapes.

## Possible solutions.

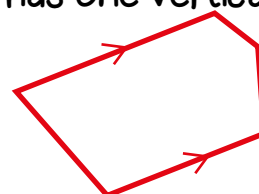
Shape A has 4 straight sides. It has no vertical lines and only one right angle.



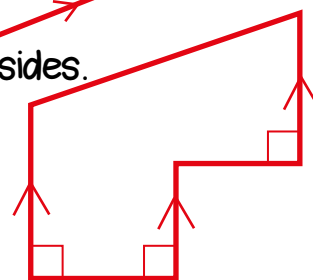
Shape B has 3 straight sides, including a pair of perpendicular lines. None of the sides are horizontal.



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.



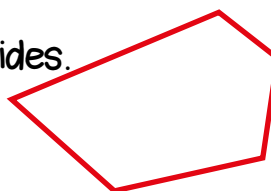
Sketch several different pentagons with:  
two perpendicular sides, one horizontal line.



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:  $4 \times 100$  plus  $1 \times 50$   
or  $3 \times 100$  plus  $3 \times 50$  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

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.

	← 10 less		10 more →	
201		108		575
347		565		507
98		357		221
487		497		118
901		911		367
396		211		809
555		406		921
789		799		416

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

	100s	10s	1s
342	8	4	0
210	2	1	2
834	3	3	4
496	7	9	9
555	4	5	5
729	5	2	6
601	1	0	1
168	6	6	8

Create your own Matching Workout'.



## Cards for the Games

1

2

3

4

5

6

7

8

9

0