KeeP-uppI Maths Workout

Year 5 - Pack 1 Answers

Introducing KeePuppI
the CanDo KerryBlue

KPIs for Term 1

Read and write numbers up to 1,000,000
Compare and order numbers up to 1,000,000
Compare and order decimals with up to 3 decimal places
Round numbers to 1 decimal place, nearest whole number and 10, 100, 1000, 10000
Count forwards and backwards with positive and negative numbers

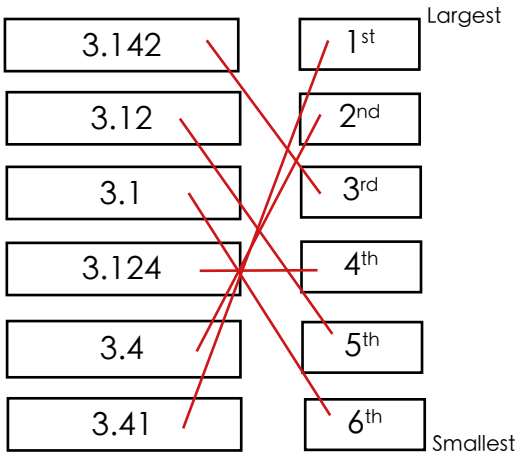
Number Workout

Workout A

Compare the numbers using < , > or =

42,793	>	33,168	700,070	<	700,700
121,786	>	83,739	303,030	>	330,003
444,411	>	441, 414	99,999	<	876,543
500,411	>	51,797	123,456	>	98,765

Order the decimals by matching the numbers with the order



Workout B

Rounding Workout

Round to the nearest whole number		Round to 1 decimal place		Round 45,368 to the nearest ...	
8.7	9	8.73	8.7	10	45,370
8.76	9	8.76	8.8	100	45,400
4.78	5	4.28	4.3	1,000	45,000
0.78	1	0.48	0.5	10,000	50,000
1.02	1	0.94	0.9		

Workout C

Negative numbers Workout

Start at 3 and count		Start at -3 and count		Start at -1 and count	
4 steps backwards	-1	4 steps forwards	1	9 steps backwards	-10
6 steps backwards	-3	2 steps backwards	-5	9 steps forwards	8
3 steps backwards	0	3 steps forwards	0	11 steps forwards	10
4 steps forwards	7	6 steps forwards	3	11 steps backwards	-12

Comparing Numbers

Workout D

You need:
Comparing Numbers Game templates (see below for Game A and Game B)
Two sets of cards 0 - 9 (print off the cards at the back of the pack.)

To play:
Players start with 3 points each.
Shuffle the two sets of cards together. Put the cards in a deck face down. Take it in turns to pick a card and place the digit in one of the boxes. Keep repeating.

The statement must remain true.
The first player to be unable to place their digit loses a point.

To win:
When a player loses all their points, the other player wins.

Game A

□□,□□□ < □□,□□□

Game B

□□□,□□□ > □□□,□□□

Missing Number Workout

Workout E

Put digits in the empty boxes so that the statements are correct
Complete them in several different ways, where possible.

Possible Solution

$2.\boxed{3}\boxed{7} < 2.\boxed{5}$

$3.\boxed{4}2 > 3.4\boxed{1}\boxed{8}$

$\boxed{0}.3\boxed{9} < 1.\boxed{6}\boxed{2}$

Are there any boxes that it is impossible to put a 7 in? Why?

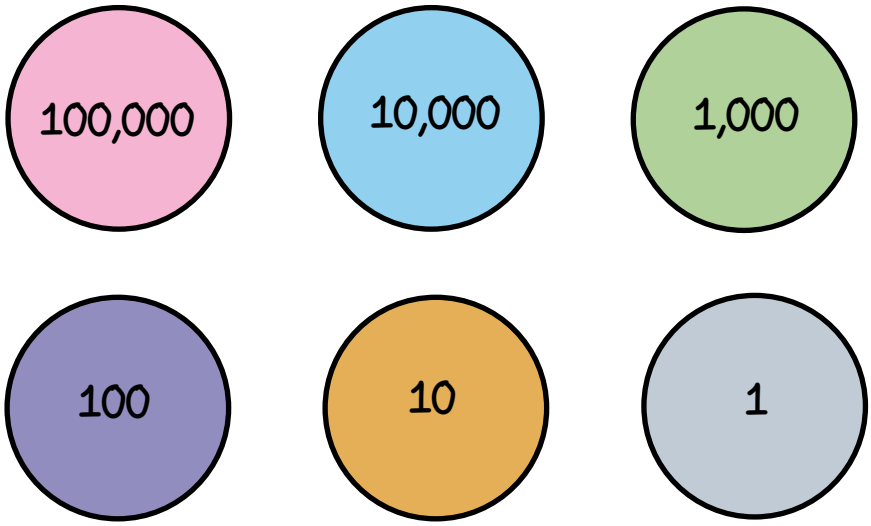
Are there any boxes that could have any of the digits in them?

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

Investigating Thousands

Workout F

Use 9 Place Value Counters to create different 6-digit numbers. You are only allowed to use a maximum of two counters with the same value in each number.



Write each number using words and numerals.

Investigate the range of numbers possible.

Many possibilities

Largest: 322,200 Three hundred and twenty-two thousand, two hundred and twenty

Smallest: 12,222 Twelve thousand, two hundred and twenty-two

Word Problem Workout

Workout G

1. The temperature in Manchester is 1°C.
   It is 4°C colder in Birmingham.
   What is the temperature in Birmingham?

   -3°C

2. The temperature in Berlin is -4°C.
   It is 6°C warmer in Paris.
   What is the temperature in Paris?

   2°C

3. The temperature in London is 8°C warmer than the temperature in Moscow.
   It is -4°C in Moscow.
   What is the temperature in London?

   4°C

4. Colin is staying in a hotel.
   His room is on the fourth floor.
   He gets in the lift and goes down 3 floors to meet Coco.
   a) What floor is he now on?

   1st Floor

   They now go down 3 more floors.
   b) What floor are they now on?

   -2 Floor

   c) How many floors does Colin have to travel to get back to his room?

   6 Floors

5. The temperature in Leeds is at least 2 degrees warmer than the temperature in Manchester.
   It is at least 2 degrees colder than the temperature in Brighton.
   If the temperature in Manchester is -4°C and the temperature in Brighton is 1°C, what are the possible temperatures in Leeds?

   -1°C or -2°C

Create your own word problems involving counting forwards and backwards with negative numbers.

Matching Workout

Workout H

Match the numbers.
Fill in the missing buddies.

Twenty thousand, four hundred		40,200
Forty thousand, two hundred		24,004
Forty-two thousand and two		42,024
Twenty-four thousand and four		44,404
Forty thousand, two hundred and four		42,002
Forty-two thousand and twenty-four		20,400
Forty-four thousand, four hundred and four		40,204

Create your own Matching Workout for reading and writing numbers up to 1 million

Match the numbers with the correct rounding.
Fill in the missing buddies.

Round 2.67 to 1 decimal place		28
Round 23 to the nearest 10		2.6
Round 26.9 to the nearest whole number		20
Round 2.57 to one decimal place		30
Round 2.76 to 1 decimal place		27
Round 27 to the nearest 10		2.7
Round 27.5 to the nearest whole number		2.8

Create your own Matching Workouts

Cards for the Games

1	2	3
4	5	6
7	8	9
0		