KeeP-uppI Maths Workout

Year 5 - Pack 1

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

3.142	1st (Largest)
3.12	2nd
3.1	3rd
3.124	4th
3.4	5th
3.41	6th (Smallest)

Workout B

Rounding Workout

Round to the nearest whole number		Round to 1 decimal place		Round 45,368 to the nearest ...	
8.7		8.73		10	
8.76		8.76		100	
4.78		4.28		1,000	
0.78		0.48		10,000	
1.02		0.94			

Workout C

Negative numbers Workout

Start at 3 and count		Start at -3 and count		Start at -1 and count	
4 steps backwards		4 steps forwards		9 steps backwards	
6 steps backwards		2 steps backwards		9 steps forwards	
3 steps backwards		3 steps forwards		11 steps forwards	
4 steps forwards		6 steps forwards		11 steps backwards	

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.

2 . □ □ < 2 . □

3 . □ 2 > 3 . 4 □ □

□ . 3 □ < 1 . □ □

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

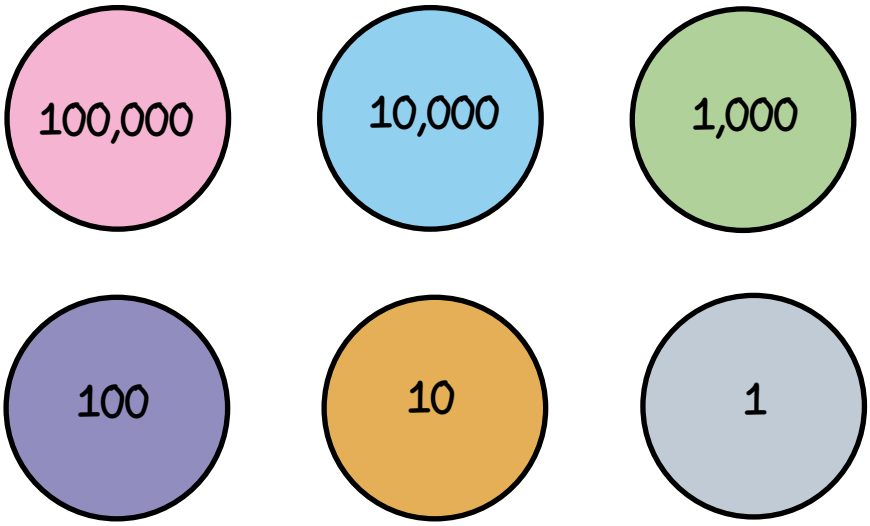
Are there any boxes that could have any of the digits in them?

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.

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?

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

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. 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?

   They now go down 3 more floors.
   b) What floor are they now on?
   c) How many floors does Colin have to travel to get back to his room?

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?

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		
Forty thousand, two hundred and four		42,002
		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		
		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		