Colin and Coco's Daily Maths Workout

Can Do Maths
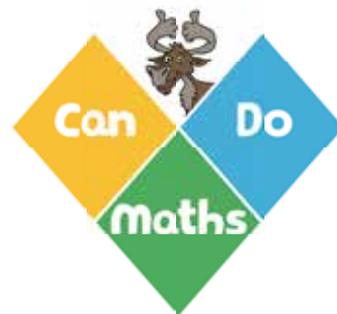
Workout 5.8   **Answers**

KeeP-uppI (Term 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

Compare the numbers using < , > or =

Order the decimals by matching the numbers with the order

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

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

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	

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

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

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

Possible Solution

2 . 3 7 < 2 . 5

3 . 4 2 > 3 . 4 1 8

0 . 3 9 < 1 . 6 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

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.

100,000   10,000   1,000

100   10   1
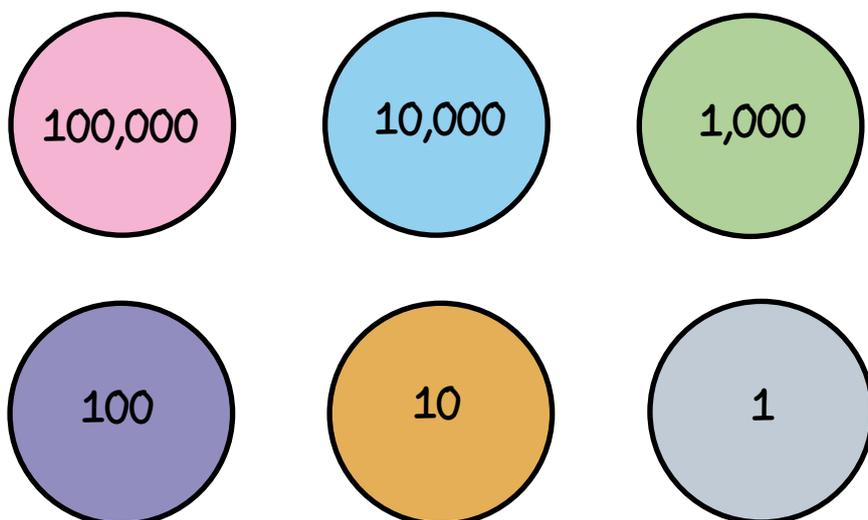
Write each number using words and numerals.

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

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

   -3ºC

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

   2ºC

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

   4ºC

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 -4ºC and the
   temperature in Brighton is 1ºC, what are the possible
   temperatures in Leeds?

   -1ºC or -2ºC

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

Matching Workout

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		