



Colin and Coco's Daily Maths Workout



Workout 5.8

Answers

Keep-uppI (Term 1)

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

Note: Red lines connect 3.142 to 4th, 3.12 to 5th, 3.1 to 6th, 3.124 to 1st, 3.4 to 2nd, and 3.41 to 3rd.

Workout B

Rounding Workout

Round to the nearest whole number

$8.7 \rightarrow 9$

$8.76 \rightarrow 9$

$4.78 \rightarrow 5$

$0.78 \rightarrow 1$

$1.02 \rightarrow 1$

Round to 1 decimal place

$8.73 \rightarrow 8.7$

$8.76 \rightarrow 8.8$

$4.28 \rightarrow 4.3$

$0.48 \rightarrow 0.5$

$0.94 \rightarrow 0.9$

Round 45,368 to the nearest ...

$10 \rightarrow 45,370$

$100 \rightarrow 45,400$

$1,000 \rightarrow 45,000$

$10,000 \rightarrow 50,000$

Workout C

Negative numbers Workout

Start at 3 and count

$4 \text{ steps backwards} \rightarrow -1$

$6 \text{ steps backwards} \rightarrow -3$

$3 \text{ steps backwards} \rightarrow 0$

$4 \text{ steps forwards} \rightarrow 7$

Start at -3 and count

$4 \text{ steps forwards} \rightarrow 1$

$2 \text{ steps backwards} \rightarrow -5$

$3 \text{ steps forwards} \rightarrow 0$

$6 \text{ steps forwards} \rightarrow 3$

Start at -1 and count

$9 \text{ steps backwards} \rightarrow -10$

$9 \text{ steps forwards} \rightarrow 8$

$11 \text{ steps forwards} \rightarrow 10$

$11 \text{ steps backwards} \rightarrow -12$



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

$$\square \square, \square \square \square < \square \square, \square \square \square$$

Game B

$$\square \square \square, \square \square \square > \square \square \square, \square \square \square$$



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?

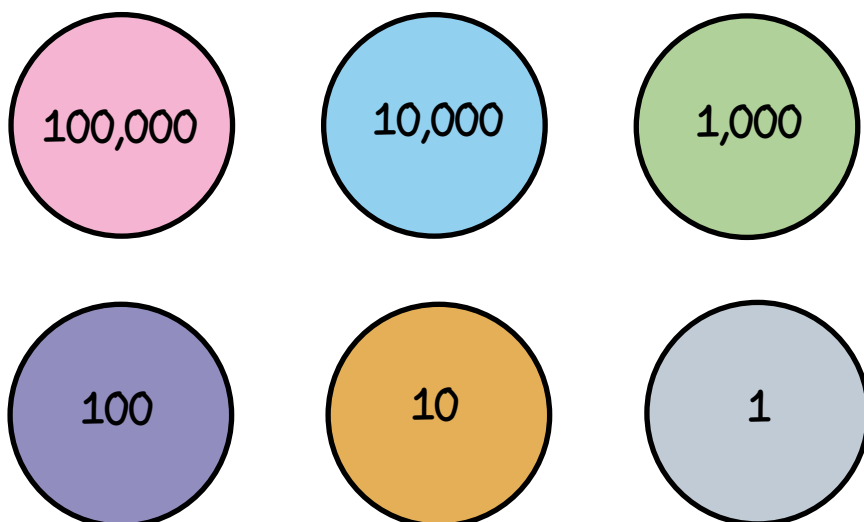
Now complete it using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9
once each.



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? 1^{st} 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

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