Colin and Coco's Daily Maths Workout

Workout 4.8

KeeP-uppI (Term 1)

Introducing KeePuppI
the CanDo KerryBlue

KPIs for Term 1
   Read and write 4-digit numbers
   Compare and order numbers up to 10,000
   Round any number up to 4-digits to the nearest 10, 100 or 1000
   Classify quadrilaterals

Read and Write Numbers Workout

Read these numbers and write using words.

6,789

4,400

4,040

5,505

Read these numbers and write using numerals.

Three thousand and three

Five thousand, four hundred

Nine thousand and ninety

Eight thousand, eight hundred and eight

Compare and Order Workout

Compare the numbers using < , > or =

2,793 ◯ 3,168

1,786 ◯ 1,739

4,411 ◯ 4, 414

838 ◯ 1,797

7,070 ◯ 7,700

3,748 ◯ 3,362

9,635 ◯ 9,632

7,090 ◯ Ninety hundred

Order the numbers by matching the numbers with the order.

6,500	1st	Largest
6,005	2nd	
2,900	3rd	
6,050	4th	
Six thousand	5th	
Thirty hundred	6th	Smallest

Rounding Workout

Round to the nearest 10

87

246

685

2,745

Round to the nearest 100

187

246

685

2,745

Round to the nearest 1,000

2,187

3,489

7,635

745

Quadrilateral Sorting Game

You need:
Quadrilateral cards (on the next page.)

To play:
Shuffle the cards and place them face down on the table.
Turn over two cards.
Use the cards as the categories of a Carroll Diagram. (If both the cards refer to the thing, e.g. angles, pick one new card.)

Take turns to name a shape that can go in a section of the Carroll diagram, convincing your opponent that the shape is correct. More than one shape can be placed into a section.
Choose from: Square, rectangle, parallelogram, rhombus, kite, trapezium, a quadrilateral that does not have a special name.

	no parallel sides	at least one pair of parallel sides
no right angles		
at least one right angle		

This section is for a shape with no right angles and at least one pair of parallel sides.
A rhombus fits this description.
I score 1 point.
My opponent cannot use rhombus, but could place parallelogram in this same section.

If you cannot place a shape it is your opponent's turn. If neither player can place a shape, create a new Carroll diagram.

To win:
The winner is the first player to accumulate a score of 9

Attributes of Quadrilateral Cards

no equal sides	no right angles	no lines of symmetry
at least 2 equal sides	at least one right angle	at least one line of symmetry

no parallel sides	all sides equal	all angles equal
at least one pair of parallel sides	not all sides equal	not all angles equal

opposite angles equal	exactly two pairs of parallel sides	Exactly two acute angles
no equal angles	exactly one pair of parallel sides	no acute angles

Missing Number Workout

Put digits in the empty boxes

Complete them in several different ways, where possible.

□, 6 8 □ < 4 , □ 8 □

□, 1 8 □ > 5 , □ 4 8

□, 2 8 □ > 9 □ 5

Are there any boxes that it is impossible to put a 5 in? Why?
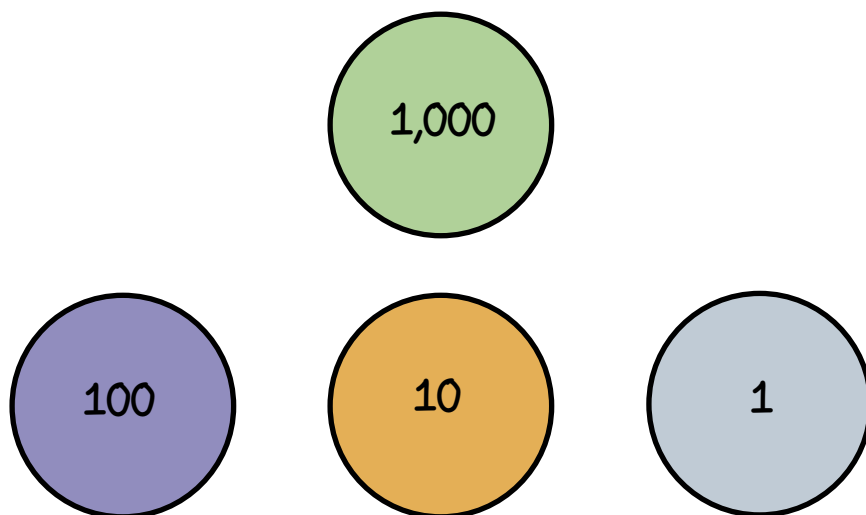
Are there any boxes that could have any of the digits in them?

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

Investigating Thousands

Use 6 Place Value Counters to create different 4-digit numbers. You are only allowed to use a maximum of two counters with the same value in each number.

1,000

100   10   1

Write each number using words and numerals.

Investigate the range of numbers possible.

Word Problem Workout

1. Coco runs 4,250m.
   Colin runs 4,025m.
   Who runs the furthest?

   What is the difference in the distances?

2. The Nile River is 4,404 miles long.
   The Mississippi River is 3,902 miles.
   The Yangtze River is 3,917 miles.
   The length of the Amazon river is 4,345 miles.

   Place the rivers in order from longest to shortest.

3. Colin is deciding to buy a car.
   A yellow car costs £8,490
   A blue car costs costs eight thousand, four hundred and nineteen pounds.

   Which one is cheaper? And by how much?

4. Colin is collecting the house points for his school.
   Parrot House scored 3,456 points.
   Moose House scored 4,356 points.
   Puppy House scored 3,654 points.
   Put the house points in order of size from most to least.

5. Coco rounds a 4-digit number to the nearest 100 and
   gets the answer 3,000
   What is the smallest number Coco could have?
   What is the largest number?

Create your own word problems involving comparing and ordering 4-digit numbers and rounding numbers to the nearest 10, 100 and 1000.

Matching Workout

Match the numbers.
Fill in the missing buddies.

Two thousand, four hundred	4,200
Four thousand, two hundred	2,004
Four thousand and two	2,040
Two thousand and four	
Four thousand, two hundred	4,002
	2,400
Four thousand and twenty	4,200

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

Round 2,657 to the nearest 10	
	3,000
Round 2,637 to the nearest 100	2,700
Round 2,663 to the nearest 1000	2,640
Round 2,645 to the nearest 10	2,600
Round 2,642 to the nearest 10	2,660
Round 2,363 to the nearest 1000	2,650

Create your own Matching Workouts