



Colin and Coco's Daily Maths Workout

Workout 4.8

Answers

Keep-uppI (Term 1)



Introducing **KeepPuppI**
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

Workout A

Read these numbers and write using words.

6,789
Six thousand, seven hundred and eighty-nine

4,400
Four thousand, four hundred

4,040
Four thousand and forty

5,505
Five thousand, five hundred and five

Read these numbers and write using numerals.

Three thousand and three
3,003

Five thousand, four hundred
5,400

Nine thousand and ninety
9,090

Eight thousand, eight hundred and eight
8,808

Compare and Order Workout

Workout B

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

Rounding Workout

Workout C

Round to the nearest 10

87 → 90
246 → 250
685 → 690
2,745 → 2,750

Round to the nearest 100

187 → 200
246 → 200
685 → 700
2,745 → 2,700

Round to the nearest 1,000

2,187 → 2,000
3,489 → 3,000
7,635 → 8,000
745 → 1,000



Quadrilateral Sorting Game

You need:

Quadrilateral cards 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

at least 2 equal sides

no right angles

at least one right angle

no lines of symmetry

at least one line of symmetry

no parallel sides

at least one pair of parallel sides

all sides equal

not all sides equal

all angles equal

not all angles equal

opposite angles equal

no equal angles

exactly two pairs of parallel sides

exactly one pair of parallel sides

Exactly two acute angles

no acute angles



Missing Number Workout

Workout E

Put digits in the empty boxes

Complete them in several different ways, where possible.

$$\boxed{4}, 6 \quad 8 \quad \boxed{7} < 4, \boxed{6} \quad 8 \quad \boxed{9}$$

$$\boxed{5}, 1 \quad 8 \quad \boxed{2} > 5, \boxed{0} \quad 4 \quad 8$$

$$\boxed{1}, 2 \quad 8 \quad \boxed{8} > 9 \quad \boxed{3} \quad 5$$

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?

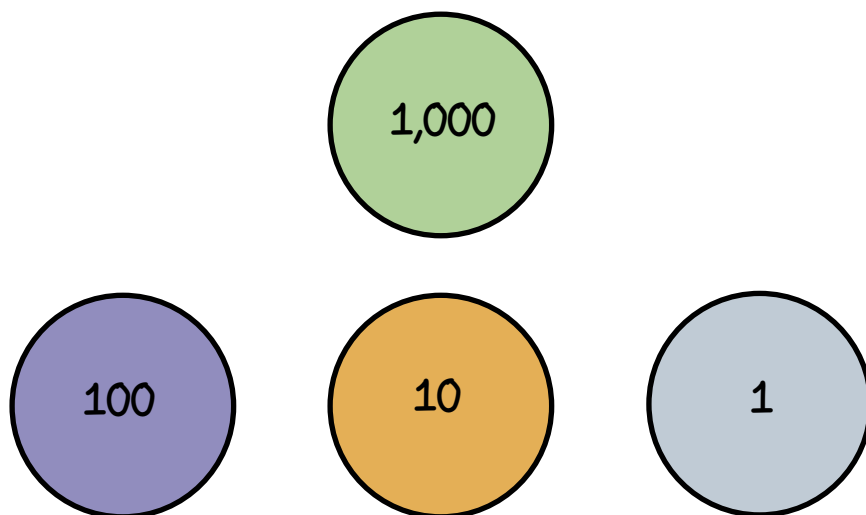
Now complete it using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 once each.



Investigating Thousands

Workout F

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.



Write each number using words and numerals.

Investigate the range of numbers possible.

Many possibilities

Largest: 2,220 Two thousand, two hundred and twenty

Smallest: 222 Two hundred and twenty-two



Word Problem Workout

Workout G

1. Coco runs 4,250m.
Colin runs 4,025m.
Who runs the furthest?
What is the difference in the distances?

Coco
225m

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.

Nile, Amazon, Yangtze, Mississippi

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?

Blue Car. £71

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.

Moose, Puppy, Parrot

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?

Smallest: 2,950 Largest: 3,049

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		4,020
Four thousand, two hundred		4,002
Two thousand and forty		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		2,000
Round 2,687 to the nearest 100		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