



Keep-uppI Maths Workout



Year 6 - Pack 1

Introducing **KeepuppI**
the **CanDo KerryBlue**



KPIs for Term 1 (part 1)

Read and write numbers up to 10,000,000

Compare and order numbers up to 10,000,000

Multiply and divide numbers by 10, 100 and 1000

Multiply numbers up to 4 digits by a 2-digit number choosing efficient methods

Divide numbers up to 4 digits by a two-digit number choosing efficient methods and interpreting the remainders

Calculate intervals across zero

Describe and plot positions on a 2-D grid as coordinates in the four quadrants



Read and write numbers up to 10,000 Workout

Workout A

Read these numbers and write using words.

3,456,789

4,040,400

8,080,008

9,109,256

Read these numbers and write using numerals.

Two million, twenty-eight thousand, three hundred and one

Four million, four thousand and

Five million, five hundred thousand and fifty

Six million, sixty thousand and six hundred

Compare and order numbers up to 10,000 Workout

Workout B

Compare the numbers using $<$, $>$ or $=$

3,412,793 ○ 2,378,168

6,700,070 ○ 6,700,007

7,512,786 ○ 5,412,739

5,123,378 ○ 945,762

4,141,411 ○ 4,114,411

589,602 ○ 3,989,831

5,208,638 ○ 5,208,797

2,067,090 ○ 709,206

Order the numbers by matching the numbers with the order.

3,200,000

1st

Largest

5,050,500

2nd

4 million

3rd

689,750

4th

3,165,000

5th

Nine hundred thousand

6th

Smallest

Multiply and Divide numbers by 10, 100 and 1000 Workout

Workout C

$4.56 \times 10 = \square$

$0.03 \times 10 = \square$

$1.03 \times 100 = \square$

$4.56 \times 100 = \square$

$0.3 \times 100 = \square$

$3.001 \times 100 = \square$

$4.56 \div 10 = \square$

$0.03 \times 1000 = \square$

$1.03 \div 10 = \square$

$45.6 \div 100 = \square$

$0.3 \div 100 = \square$

$10.3 \div 100 = \square$



Comparing Numbers

Workout D

You need:

Comparing Numbers template (below)

Two sets of cards 0 - 9 (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.

Is it possible to always complete all the boxes?

Explain your thinking.

To win

When a player loses all their points, the other player wins.



Missing Number Workout

Workout E

Put digits in the empty boxes so the numbers are in order from smallest to largest.

$$\begin{array}{ccc} 4, 3 \square 9, \square 5 \square & & 4, \square 9 \square, \square 8 3 \\ \downarrow & & \downarrow \\ \hline & & \\ \uparrow & & \\ \square, 3 \square \square, \square 5 6 \end{array}$$

Are there any boxes that it is impossible to put a 2 in?
Why?

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

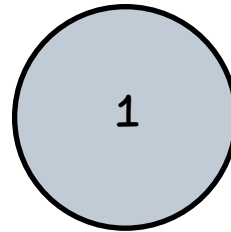
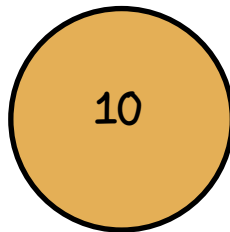
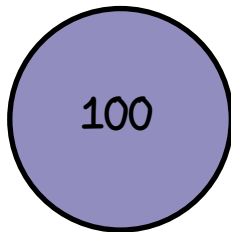
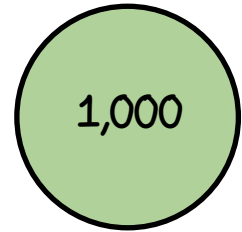
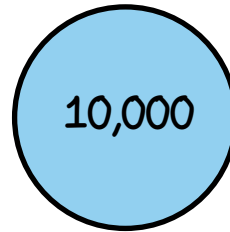
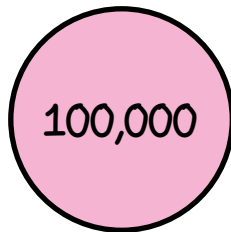
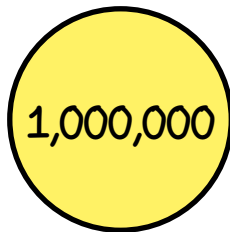
Now complete them altogether using the digits
0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 once each.



Investigating Millions

Workout F

Use 10 Place Value Counters to create different 7-digit numbers.
You are only allowed to use a maximum of three counters with the same value, in each number.



Write each number using words and numerals.

Investigate the range of numbers possible.



Word Problems

1. Colin runs 4.25km on Monday.
He runs 6,500m on Tuesday
How far did he run altogether?
2. Coco walks 0.6 km on Monday.
She walks 872 m on Tuesday.
Which day did she walk the furthest? How far?
3. Bag A weighs 1.02 kg.
Bag B weighs 409 g less than Bag A.
How much does Bag B weigh?
4. The capacity of a bottle is 1.25 litres.
The capacity of a vase is 65 ml.
How much water is needed to fill both the bottle and the vase?
5. The height of a house is 5.2 m.
Colin is making a scale model of the house.
The scale model is 100 times smaller.
Calculate the height of the scale model in a) metres and
b) centimetres
6. Coco flies two million, three hundred and five thousand, seven hundred
and six metres.
How far has she flown in kilometres?

Create your own word problems involving multiplying and dividing decimals
by 10, 100 and 1,000



Matching Workout

Workout H

Match the numbers.
Fill in the missing buddies.

Four million, two thousand		4,000,200
Four million, two hundred		4,202,000
Four million, two hundred thousand		
Four million, two hundred and two thousand		4,000,002
Four million, two thousand two hundred		4,200,000
		4,002,000
Four million and two		4,002,200

Match the calculations with the correct solution.
Fill in the missing buddies.

$3.4 \div 10$		4.3
		0.34
$430 \div 1000$		34
3.4×10		3.4
$3.4 \div 100$		0.43
0.034×100		340
0.34×1000		

Create your own Matching Workout'.



Cards for the Games

1

2

3

4

5

6

7

8

9

0