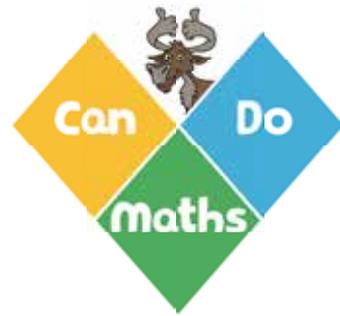# Colin and Coco's Daily Maths Workout

Workout 4.10   Answers

KeeP-uppI (Term 3)

KPIs for Term 3
  Add and subtract numbers with up to 4-digits using a formal written method
  Know and use multiplication facts for 11 and 12 multiplication tables
  Know and use division facts for 11 and 12 multiplication tables
  Choose efficient methods to add and subtract numbers up to 4-digits

Adding and Subtracting Mentally Workout

4,574 + 3,967 = 8,541   4,574 – 3,967 = 607   5,674 + 3,967 = 9,641

5,097 + 4,275 = 9,372   5,097 – 4,275 = 822   5,674 – 3,967 = 1,707

7,864 + 1,498 = 9,362   7,864 – 1,498 = 6,366   7,860 + 1,482 = 9,342

1,234 + 5,678 = 6,912   5,273 – 3,612 = 1,661   7,860 – 1,482 = 6,378

5,949 + 2,908 = 8,857   9,123 – 4,876 = 4,247   5,001 – 3,997 = 1,004

Times Tables Workout

$6 \times 11 =$ 66 $8 \times 12 =$ 96 $4 \times 11 =$ 44 $110 \div 11 =$ 10

$88 \div 11 =$ 8 $84 \div 12 =$ 7 $72 \div 6 =$ 12 $11 \div 11 =$ 1

$11 \times 10 =$ 110 $12 \times 10 =$ 120 $12 \times 12 =$ 144 $96 \div 12 =$ 8

$99 \div 11 =$ 9 $132 \div 12 =$ 11 $108 \div 9 =$ 12 $99 \div 9 =$ 11

$12 \times 11 =$ 132 $9 \times 12 =$ 108 $11 \times 11 =$ 121 $0 \times 12 =$ 0

Add and Subtract Workout

In your head ? With jottings? Written method?

2,200 – 700 = 1,500   6,454 + 2,638 = 9,092   4,500 – 950 = 3,550

4,803 + 600 = 5,403   5,050 – 505 = 4,545   9,876 – 4,999 = 4,877

5,301 + 700 = 6,001   5,134 + 4,807= 9,941   5,360 + 2,859 = 8,219

5,014 – 4,985 = 29   7,385 + 800 = 8,185   3,002 + 2,998 = 6,000

4,019 – 1,999 = 2020   1,499 – 999 = 500   9,999 – 8,998 = 1,001

Adding and Subtracting Game

You need:

Adding and Subtracting Game templates (see below for Game 1, Game 2, Game 3 and Game 4)

Card Set A (print off the cards) for each player.

Card Set B (print off the cards) for each player.

To play:

Pick Game Template 1, 2, 3 or 4

Each player shuffles Card Set A and picks cards to create a number.

Each player shuffles Card Set B and picks cards to create a number.

Both players now find the answer to their calculation.

To win:

The player who calculates the highest total wins a point.

The players then rearrange the cards to try and win a second point by calculating the lowest total.

The first player to get 10 points wins the Game.

Game 1

A A A A + B B B

Game 2

A A A A − B B B

Game 3

A A A A + B B B B

Game 4

A A A A − B B B B

Adding and Subtracting Cards

Set A

0	1	2	3	4
5	6	7	8	9

Set B

0	1	2	3	4
5	6	7	8	9
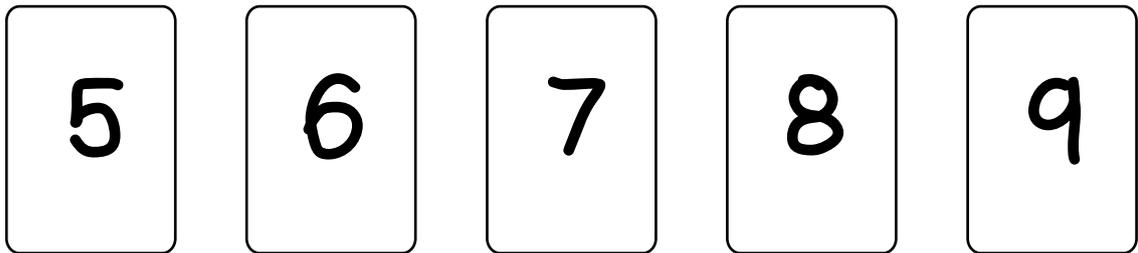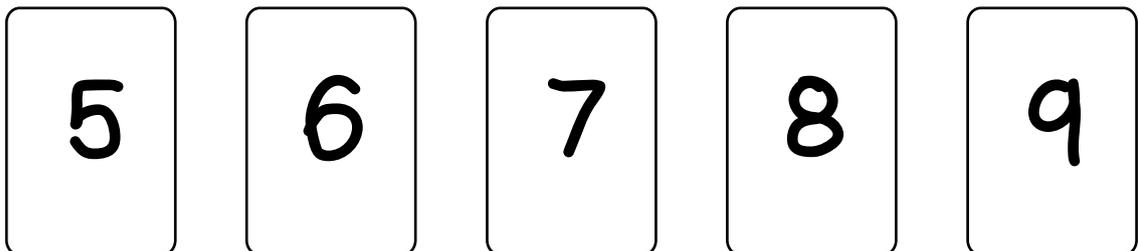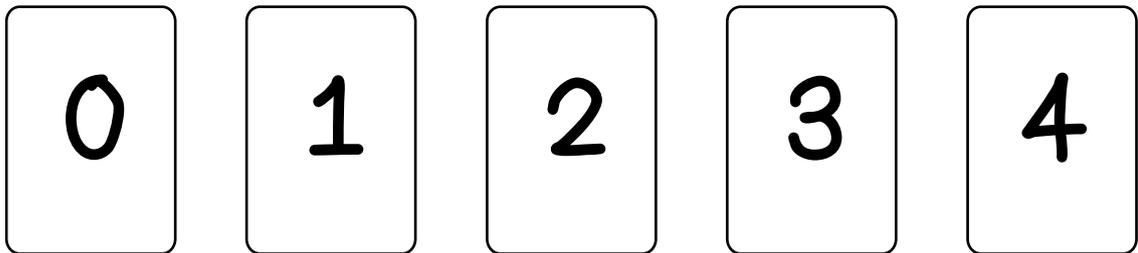
Add and Subtract Workout

Put digits in the empty boxes to make the calculations correct.

Complete them in several different ways, where possible.

Possible Solution

2 6 5 4 + 3 9 9 8 = 6 6 5 2

6 7 5 0 - 1 8 0 0 = 4 9 5 0

Are there any boxes that it is impossible to put a digit 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.

Times Tables Array Investigation

Use arrays to complete the grid such that each array contains exactly one number, and that number represents the area of the array.

One array has been completed for 9 (3 × 3).

Word Problem Workout
Everything !!!

1. In a library, there are 1506 books on Science, 2317 books on English and 987 books on Maths.
   How many books are there in the library in total?

   4,810

2. Coco plants 132 flowers in 11 rows.
   How many flowers in each row?

   12

3. There are 3,241 marbles in a bag.
   Colin and Coco take 742 marbles each.
   How many marbles are left in the bag?

   1,757

4. Coco buys a TV for £2,457
   She also buys a computer. It is £749 less than the TV.
   How much money has she spent in total?

   £4165

5. Colin is making nonagons (9-sided) shape using sticks.
   How many sticks does he need to make 12 nonagons?

   108

6. Colin is buying a bike for £1,440.
   He pays in 12 installments.
   How much does he pay in each installment?

   £120

7. Coco wins £4250.
   She shares the money with Colin.
   Coco has £750 more than Colin.
   How much money do Coco and Colin each receive?

   £2500 and £1750

Create your own word problems

Matching Workout

Match a number in Column A with an operation in
Column B to make an answer in Column C.
Fill in the missing buddies.

Column A		Column B		Column C
3,940		+ 660		= 4,730
5,390		− 1,999		= 3,340
3,409		+ 6,000		= 4,540
9,340		+ 2,999		= 4,539
3,490		+ 600		= 4,069
6,540		− 660		= 4,541
1,540		− 6,000		= 9,490

Match the calculations (11 and 12x)
Fill in the missing buddies.

96 ÷ 12		121 ÷ 11
120 ÷ 12		99 ÷ 11
72 ÷ 12		88 ÷ 11
144 ÷ 12		66 ÷ 11
108 ÷ 12		77 ÷ 11
132 ÷ 12		132 ÷ 11
84 ÷ 12		110 ÷ 11

Create your own Matching Workouts