



# Colin and Coco's Daily Maths Workout

Workout 3.6

Answers

Addition and Subtraction





## Addition and Subtraction Workout

You may need to work these out on another piece of paper.

Workout A

$436 + 57 = 493$

$456 + 137 = 593$

$436 + 167 = 603$

$436 + 87 = 523$

$556 + 228 = 784$

$636 + 287 = 923$

$76 + 767 = 843$

$638 + 257 = 895$

$176 + 767 = 943$

## Addition and Subtraction Workout

You may need to work these out on another piece of paper.

Workout B

$472 - 37 = 435$

$452 - 137 = 315$

$436 - 167 = 269$

$541 - 87 = 454$

$653 - 228 = 425$

$632 - 287 = 345$

$136 - 67 = 69$

$767 - 658 = 109$

$506 - 287 = 219$

## Addition and Subtraction Workout

You may need to work these out on another piece of paper.

Workout C

$436 + 87 = 523$

$656 - 288 = 368$

$478 + 467 = 945$

$349 = 436 - 87$

$914 = 686 + 228$

$47 = 434 - 387$

$56 + 656 = 712$

$904 - 457 = 447$

$286 + 628 = 914$



# Subtraction Target Game

Workout D

You need:

1 - 6 cards (at the end of this pack.)

Pen and paper

To play:

Shuffle the cards and place them face down on the table.

Every time it is your turn you turn over 3 cards and use them in any order to make a 3-digit number.

Subtract your 3-digit number from 724.

You are aiming to get an answer as close to the target number of 268 as you can.

Work out the difference between your answer and the target number of 268.

This is your score.

I have 2, 3 and 5

I need to decide which 3-digit number to make.

$$\begin{array}{r} 6\cancel{7}24 \\ - 352 \\ \hline 372 \end{array}$$

I score 104 (because  $372 - 268 = 104$ )

To win:

The winner is the player with the lowest total score after three goes each.

Try changing the starting number (between 700 and 900) or the target number to change the challenge.



## Missing Number Workout

Workout E

Put digits in the empty boxes to complete the calculations.  
Complete each one in several different ways.

Possible  
Solution

$$\begin{array}{r} \boxed{6} \ 6 \ \boxed{9} \\ + \ 1 \ \boxed{5} \ \boxed{2} \\ \hline \boxed{8} \ 2 \ 1 \end{array}$$

$$\begin{array}{r} \boxed{3} \ 1 \ \boxed{0} \\ - \ 1 \ \boxed{4} \ \boxed{7} \\ \hline \boxed{1} \ 6 \ 3 \end{array}$$

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 all the calculations together using the digits  
0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 once each.



## Keep Subtracting Challenge

Workout F

Choose three digits.

Make the largest and smallest 3-digit numbers that you can.

Subtract the smaller one from the larger one.

So if Colin chose 7, 4 and 2 he would make 742 and 247 and subtract.

$$\begin{array}{r} 6 \text{ } ^{13} \text{ } ^1 \\ 742 \\ - 247 \\ \hline 495 \end{array}$$

Now he uses the three digits in his answer and repeats the exercise.

The answer above was 495, so he uses these digits now to make 954 (the largest number) and 459 (the smallest number.)

Subtract these new numbers.

$$\begin{array}{r} 8 \text{ } ^{14} \text{ } ^1 \\ 954 \\ - 459 \\ \hline 495 \end{array}$$

Choose three new starting digits and repeat the exercise.

Keep repeating this. You will know when to stop!

Does it always happen?



## Word Problem Workout

Workout G

Colin is playing darts. He starts from 501.  
With his first three darts he scores 19, 17 and double 16.  
How much does he have left to score?

433

Coco has saved £342  
She spends £163 on a new perch.  
How much does she have left?

£179

Colin has 500 leaflets to deliver.  
He delivers 124 on Monday. He delivers 76 on Tuesday.  
He delivers the rest of the leaflets equally on Wednesday and Thursday.  
How many does he deliver on Wednesday?

150

One kitten weighs 327g. Another kitten weighs 164g.  
What is the difference between their weights?

163g

Colin goes on a road trip to visit some friends.  
He sets off from London and goes to Cardiff, 153 miles.  
Then he travels to York which is 248 miles.  
His trip back to London is 216 miles. How far does he travel altogether?

617 miles

Create your own problems for adding and subtracting 3-digit numbers.



# Who am I? Workout

Use the clues to work out Colin's mystery number.

You may want to cross numbers off on the 100 grid as you consider each clue.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- 1) I am an even number
- 2) I am more than 50
- 3) I am not a multiple of 5
- 4) The difference between my digits is an even number
- 5) I am not a multiple of 3
- 6) My digits are not equal
- 7) My tens digit is more than my ones digit
- 8) My ones digit is between 1 and 5
- 9) My tens digit is a multiple of 3
- 10) I can be made by multiplying a number by itself

Colin's mystery number is 64

Create your own 'Who am I?' puzzle

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Please share your puzzle with Colin @MathsCanDo



## Cards for the Games

1

2

3

4

5

6

7

8

9