



Colin and Coco's Daily Maths Workout

Workout 5.6

Answers

Addition and Subtraction:
Adding and Subtracting Decimals





Addition and Subtraction Workout

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

Workout A

$4.36 + 2.57 = 6.93$

$4.56 + 1.87 = 6.43$

$5.42 + 3.7 = 9.12$

$2.38 + 0.56 = 2.94$

$3.57 + 0.68 = 4.25$

$7.6 + 3.76 = 11.36$

$4.08 + 5.65 = 9.73$

$7.86 + 2.78 = 10.64$

$1.8 + 0.39 = 2.19$

Addition and Subtraction Workout

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

Workout B

$4.72 - 3.17 = 1.55$

$4.32 - 1.57 = 2.75$

$4.36 - 1.6 = 2.76$

$5.41 - 3.17 = 2.24$

$6.23 - 2.58 = 3.65$

$6.3 - 2.87 = 3.43$

$6.36 - 1.07 = 5.29$

$7.57 - 6.68 = 0.89$

$5 - 2.87 = 2.13$

Addition and Subtraction Workout

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

Workout C

$4.36 + 8.7 = 13.06$

$3.76 = 6.56 - 2.8$

$4.8 + 5.67 = 10.47$

$3.78 = 8.6 - 4.82$

$6.56 + 2.8 = 9.36$

$3.13 = 4 - 0.87$

$7.8 + 2.56 = 10.36$

$4.34 = 9.04 - 4.7$

$7.86 + 3.28 = 11.14$



Decimal Subtraction Target Game

Workout D

You need:

1 - 7 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 ones, tenths and hundredths number.

Subtract your number from 8.14

You are aiming to get an answer as close to the target number of 3.2 as you can.

Work out the difference between your answer and the target number of 3.2

This is your score.

I have 6, 1 and 4

I will make 4.61

$$\begin{array}{r} 7\text{8}.\overset{1}{1}4 \\ - 4.\overset{6}{6}1 \\ \hline 3.\overset{5}{5}3 \end{array}$$

I score 0.33 because the difference between 3.2 and 3.53 is 0.33

To win:

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

Try changing the starting number (between 7 and 9) 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

$$\begin{array}{r} 3 . \boxed{4} \boxed{7} \\ + \boxed{0} . 8 \boxed{5} \\ \hline 4 . \boxed{3} \boxed{2} \end{array}$$

$$\begin{array}{r} 4 . \boxed{6} \boxed{9} \\ - \boxed{1} . \boxed{8} \\ \hline \boxed{2} . 8 \boxed{9} \end{array}$$

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.



Plenty of Twenties

Workout F

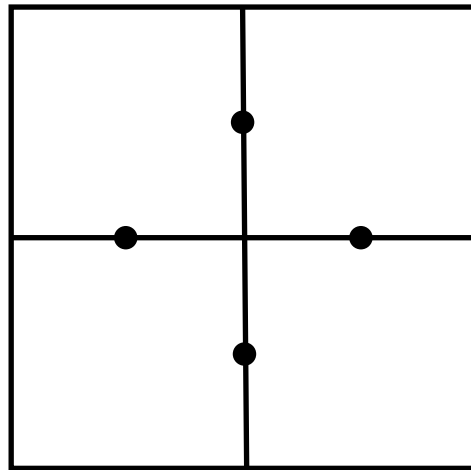
Choose four of the digits. Each one must be different.



Put one digit in each box.

This make two ones and tenth numbers reading across and two ones and tenths number reading down.

Add up the four numbers.



In this example the numbers are

1.9

7.2

1.7

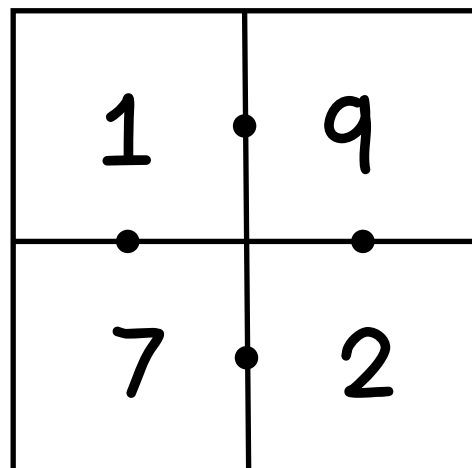
9.2

and the total is 20

Use the digits 2, 3, 6 and 8 to make 20

Use the digits 1, 5, 6 and 7 to make 20

Find several other ways of making 20



2 8

6 3

2.8, 6.3, 2.6, 8.3

5 1

7 6

or

6 1

5 7



Word Problem Workout

Workout G

Colin is trying to build his muscles up.
Last month he weighed 164.4kg.
This month he weighed 173.82kg.
How much weight has he put on?

9.42kg

Colin wishes he had enough money to buy a new scarf.
A woollen stripey scarf costs £18.65
A synthetic spotty one costs £17.99
How much cheaper is the spotty scarf?

£0.66

Coco is planning a country walk. If she turns left out of the car park and through the woods the walk is 3.75km.
If she turns right and goes over the hill the walk is 5.3km
How much longer is the second walk?

1.55km

One puppy weighs 2.65kg and a second puppy weighs 4.8kg
What is the total weight of the two puppies?

7.45kg

Coco is building a shelving unit.
She has a plank of wood 2.4m long.
She cuts one shelf of 75cm and another shelf of 1.3m.
How much of the plank does she have left?

35cm or 0.35m

Create your own problems for adding or subtracting decimal 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 not a cube number | 6) The total of my digits is more than 6 |
| 2) I am not a multiple of 6 | 7) I am not a multiple of 13 |
| 3) My ones digit is greater than the tens digit | 8) Neither of my digits is a factor of 18 |
| 4) One of my digits is a square number | 9) My tens digit is not prime |
| 5) I am not a multiple of 7 | 10) I am not a multiple of 5 |

Colin's mystery number is

47

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