



Colin and Coco's Daily Maths Workout

Workout 5.1

Answers

Multiplication





Workout A

Multiplication Workout

You may need to work these out on another piece of paper. Some could be done mentally.

$42 \times 34 = 1428$

$262 \times 15 = 3930$

$48 \times 20 = 960$

$53 \times 21 = 1113$

$436 \times 28 = 12208$

$83 \times 50 = 4150$

$34 \times 23 = 782$

$563 \times 29 = 16327$

$69 \times 100 = 6900$

$46 \times 32 = 1472$

$654 \times 37 = 24198$

$75 \times 99 = 7425$

Workout B

Multiplication Workout

You may need to work these out on another piece of paper. Some could be done mentally.

$2.4 = 6 \times 0.4$

$5.6 = 7 \times 0.8$

$9 = 6 \times 1.5$

$2.1 = 7 \times 0.3$

$3.6 = 9 \times 0.4$

$9.6 = 8 \times 1.2$

$10.8 = 9 \times 1.2$

$2.8 = 0.7 \times 4$

$17.5 = 7 \times 2.5$

$4.8 = 6 \times 0.8$

$4 = 0.8 \times 5$

$12.6 = 9 \times 1.4$

Workout C

Multiplication Workout

You may need to work these out on another piece of paper. Some could be done mentally.

$124 \times 37 = 4588$

$48 \times 2364 = 113472$

$45 \times 99 = 4455$

$304 \times 46 = 13984$

$39 \times 6274 = 244686$

$34 \times 60 = 2040$

$231 \times 68 = 15708$

$28 \times 3068 = 85904$

$80 \times 70 = 5600$

$134 \times 73 = 9782$

$67 \times 7146 = 478782$

$3 \times 0.8 = 2.4$



Join Up - A Multiplication Game

Workout D

You need:

Multiplication by 7 Board

Counters or colours

To play:

Every time it is your turn you cover two numbers on the board.

One of your numbers multiplied by 7 must equal your other number.

The two numbers you cover do not need to be next to each other on the board.

e.g. You could choose to cover a 0.5 and a 3.5 because $0.5 \times 7 = 3.5$

or you could choose to cover a 80 and a 560 because $80 \times 7 = 560$ and so on.

To win:

The winner is the first player to cover five numbers in a line, horizontally, vertically or diagonally.

Multiplication by 7 Board

8	0.6	50	80	140	0.3	280	0.7	0.9	630
30	5.6	210	56	0.8	490	3.5	5.6	60	0.4
0.9	4.2	80	0.5	90	350	0.6	6.3	0.3	420
20	560	2.1	560	2.8	0.2	40	30	560	90
350	280	70	1.4	60	2.1	90	0.7	5.6	1.2
3.5	0.5	40	0.7	0.4	1.4	2.8	50	350	4.9
0.8	280	0.3	490	420	210	60	4.9	8.4	630
4.2	210	630	6.3	2.8	0.5	630	0.4	40	1.2
0.9	0.2	490	3.5	90	420	0.8	8.4	50	4.9
60	40	30	80	70	2.1	6.3	280	70	420



Missing Number Workout

Workout E

Solve each calculation in at least two ways.

Possible Solutions

$$\begin{array}{|c|} \hline 1 \\ \hline \end{array} . \begin{array}{|c|} \hline 2 \\ \hline \end{array} \times \begin{array}{|c|} \hline 4 \\ \hline \end{array} = 4.8$$

0 6 8

$$\begin{array}{|c|} \hline 1 \\ \hline \end{array} . \begin{array}{|c|} \hline 2 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = 2.4$$

0 8 3

$$\begin{array}{|c|} \hline 1 \\ \hline \end{array} . \begin{array}{|c|} \hline 2 \\ \hline \end{array} \times \begin{array}{|c|} \hline 3 \\ \hline \end{array} = 3.6$$

0 9 4

$$\begin{array}{|c|} \hline 0 \\ \hline \end{array} . \begin{array}{|c|} \hline 9 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = 1.8$$

0 3 6

Find the missing digits.

Solve each calculation in several ways if possible.

$$\boxed{6} \times \boxed{0} . 3 = \boxed{1} . 8$$

$$7 \times 0 . \boxed{5} = \boxed{3} . 5$$

$$6 . 3 = 0 . \boxed{9} \times \boxed{7}$$

$$3 \times 0 . \boxed{8} = \boxed{2} . \boxed{4}$$

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



Garden Challenge

Workout F

Mrs. Davies has decided to give her garden a makeover.

To sort out one of the flower borders she needs 5 bags of compost to mix with her home grown compost. Compost costs £3.98 per bag or 4 bags for the price of 3. How much will the compost cost? **£15.92**

She sets herself a budget of £300 for the plants. The following table shows what she would like to buy.

Can she buy all the plants she wants? Estimate first then calculate.

No. Total £306.92

<u>Plant</u>	<u>Cost per plant</u>	<u>Quantity</u>
Purple Shrub	£12.48	4
Yellow Bush	£8.96	7
Orange Climber	£6.64	5
Red Berry	£15.38	2
Blue Spreading Plant	£4.78	12
Bag of 25 bulbs	£9.12	8



Word Problem Workout

Workout G

Colin is having a party.

He buys 36 packs of crisps. Each pack holds 25g of crisps.

How many grams of crisps does he have in total? **900g**

Colin has taken up jogging.

There are 1760 yards in a mile.

If he jogs 26 miles, how many yards is that? **45,760**

A chef buys crates of apples.

Each crate has 135 apples in it.

He buys 19 crates of apples then uses 1500 apples.

How many apples are left? **1,065**

Brand new cars cost a dealer £9879 each.

A dealer has £400,000 and he buys 34 cars.

How much money does he have left? **£64,114**

Colin is jogging again! He is aiming to jog a total of 25km.

He does three sessions of 2.3km, three sessions of 2.4km and six sessions of 1.5km. How much further does he need to jog? **23.1km**

Create your own problems for 1245×16



1 - 20 Workout

Workout H

Using the digits from today's date create all the numbers from 1 - 20. You can use any or all of the four operations. You must use all the digits every time.

Example: 27/3/20 (27th March)

1	11	
2	12	
3	13	$7 \times 2 = 14$ $3 - 2 - 0 = 1$ $14 - 1 = 13$
4	14	$7 + 2 - 3 - 2 - 0 = 4$
5	15	
6	16	$7 + 3 - 2 - 2 - 0 = 6$
7	17	
8	18	
9	19	$7 \times 2 - 3 - 2 - 0 = 9$
10	20	