



# Colin and Coco's Daily Maths Workout



Workout 5.10

KeepupPI (Term 3)



## KPIs for Term 3

Multiply numbers up to 4-digits by 1 or 2-digits using a formal written method

Divide numbers up to 4-digits by 1-digits using a formal written method of division

Use known facts and place value to multiply a whole number by a decimal

Multiply decimal numbers (1 or 2 decimal places) by 1-digit using a formal written method



# Multiply Workout

Workout A

	3	5	1	
	×		6	
<hr/>				

	5	6	3	
	×	1	8	
<hr/>				

	2	3	5	1
		×		7
<hr/>				

	7	0	8	6
		×	4	9
<hr/>				

	5	2	9	
	×		7	
<hr/>				

	7	8	9	
	×	3	6	
<hr/>				

	4	3	0	9
		×		5
<hr/>				

	4	5	6	7
		×	9	8
<hr/>				

# Division Workout

Workout B

	3	6	9	7	2
<hr/>					

	7	8	4	9	1
<hr/>					

	3	2	7	4	2
<hr/>					

	7	2	0	2	3
<hr/>					

	6	6	9	0	6
<hr/>					

	6	8	5	2	0
<hr/>					

	5	4	1	6	0
<hr/>					

	9	8	9	9	1
<hr/>					

# Multiplying Decimals Workout

Workout C

$3 \times 0.2 =$

$8 \times 0.3 =$

3	.	6	×	8	=

2	.	3	1	×	3	=

$7 \times 0.1 =$

$9 \times 0.6 =$



$6 \times 0.5 =$

$6 \times 1.2 =$

8	.	7	×	9	=

2	.	2	5	×	8	=

$5 \times 0.3 =$

$12 \times 0.6 =$





# Multiplying Game

Workout D

You need:

Multiplying Game templates (see below for Game 1, Game 2 and Game 3)

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 or 3

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

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

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

$$\boxed{A} \boxed{A} \boxed{A} \boxed{A} \times \boxed{B}$$

## Game 2

$$\boxed{A} \boxed{A} \boxed{A} \times \boxed{B} \boxed{B}$$

## Game 3

$$\boxed{A} \boxed{A} \boxed{A} \boxed{A} \times \boxed{B} \boxed{B}$$



# Multiplying 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



## Division Workout

Workout E

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

Complete them in several different ways, where possible.

$$\begin{array}{r} \square \square 1 \square \\ \square \overline{) 9 \square 7 8} \end{array}$$

$$\begin{array}{r} \square 1 3 \\ \square \overline{) \square \square \square 1} \end{array}$$

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.



## Multiplication and Division Investigations

Workout F

### Investigation 1

$$7,654 \times 32 = 244,928$$

Use this fact to find:

- i)  $244,928 \div 32 =$
  - ii)  $244,928 \div 7,654 =$
  - iii)  $7,655 \times 32 =$
  - iv)  $7,654 \times 33 =$
- Find other facts.

$$8,656 \div 8 = 1,082$$

Use this fact to find:

- i)  $1,082 \times 8 =$
  - ii)  $8,656 \div 1,082 =$
  - iii)  $1,082 \times 9 =$
  - iv)  $1,082 \times 7 =$
- Find other facts.

### Investigation 2: Always/Sometimes/Never True

The product of 4-digit number and a 2-digit number is a 6-digit number.

### Investigation 3: Always/Sometimes/Never True

The quotient of 4-digit number and a 1-digit number is a 4-digit number.



## Word Problem Workout

Workout G

1. A ruler is 0.3m long.  
How far can Colin measure using 9 rulers?
  
2. A toy car costs £6.75  
Coco buys 8 cars.  
How much does she spend in total?
  
3. Coco shares £468 equally between herself and 5 friends.  
How much does each person receive?
  
4. A jug holds 1,675ml of water.  
Colin thinks he needs 6 jugs to hold 10 litres of water.  
Do you agree? Give reasons for your answer.
  
5. Coco runs 3.2km every day for one week.  
How far does she run altogether?
  
6. A shirt costs £11.25.  
Colin buys 8 shirts.  
How much money does he have left from £100?

Create your own word problems involving multiplication and division of decimals.



## Matching Workout

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

$2,748 \div 3$		
$4,590 \div 5$		919
		918
$6,440 \div 7$		917
$8,226 \div 9$		916
$3,668 \div 4$		915
$7,320 \div 8$		914

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

$6 \times 0.4$		36
$3 \times 1.2$		0.36
		0.24
$8 \times 4.5$		3.6
$12 \times 0.02$		
$0.8 \times 8$		2.4
$4 \times 1.25$		6.4

Create your own Matching Workouts