CanDoMaths Daily Workout

Dear Parent/Carer

Welcome to the CanDoMaths Daily Workout resource pack.

All the resources have been designed to help your child practise the maths topics they have learnt this year and make sure their maths skills stay healthy and strong.

Colin and Coco both know that deliberate practice is really important. Coco likes to say 'Practice makes permanent'; Colin prefers 'Practice keeps me skilled'.

This pack focuses on practising Multiplication and Division Skills.

There are three types of Workouts for your child to practise:

- 1) 'Do It' questions (Workouts A, B and C) Find the answer to show they can still 'Do' the skill.
- 2) Problems to solve (Workouts D, E, F and G)
 Word problems, empty box problems and puzzles with lots of possibilities to show they can apply the skill.
- 3) Exploring facts for the week (Workout H)

 Choose the number of the date for Workouts 1 3, use the digits in the date for Workouts 4 6.

The idea is that you pick one or two Workouts for your child to complete each day – for example one 'Do It' and one 'Problem' Workout or just one 'Problem'. The CanDoMaths Gang (Liz and Steve) will provide a short video with guidance and hints for each pack on our YouTube Channel. Answers will also be shared via Twitter @MathsCanDo starting with the first activity on Monday 23rd March. The weekly plan followed will be:

Monday: Workouts A and D

Tuesday: Workout E

Wednesday: Workouts B and F Thursday: Workouts C and G

Friday: Workout H

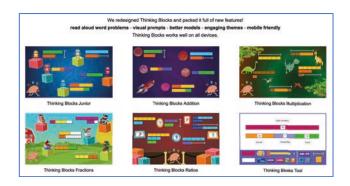
If you wish to do more practice, here is a list of some of Colin and Coco's favourite maths games and websites

Hit the Button www.topmarks.co.uk/maths-games/hit-the-button



Practise solve word problems using the Bar Model:

www.mathplayground.com/thinkingblocks.html



Maths Games



www.mathplayground.com/index addition subtraction.html www.mathplayground.com/index multiplication division.html www.mathplayground.com/index fractions.html



NRich Games for Lower Primary <u>nrich.maths.org/9412</u> NRich Interactives Lower Primary <u>nrich.maths.org/9414</u> NRich Games for Upper Primary <u>nrich.maths.org/9413</u> NRich Interactives Upper Primary <u>nrich.maths.org/9415</u>



Colin and Coco's Daily Maths Workout



Workout 4.1

Multiplication



Workout B

Multiplication Workout

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

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

 $=6\times14$

$$=7\times18$$

$$=6\times57$$

$$=7\times23$$

$$=7\times36$$

$$=9\times16$$

$$=6\times25$$

$$=7\times39$$

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

 $124 \times 3 =$

Workout C

 $324 \times 4 =$

 $231 \times 6 =$

$$134 \times 7 =$$



Join Up - A Multiplication Game

You need:

Counters (or you could colour the squares instead of putting counters on them if you like.)

Products of 7 Board

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 5 and a 35 because $5 \times 7 = 35$

or you could choose to cover a 8 and a 56 because $8 \times 7 = 56$ and so on.

To win:

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

Products of Seven

11	8	12	14	7	10	8	63	35	9
63	5	28	3	42	28	12	5	77	11
70	8	1	49	11	56	21	8	56	6
49	9	63	84	8	2	4	49	28	4
56	35	28	6	10	42	9	42	3	49
35	6	77	2	21	56	3	7	6	84
84	42	4	21	11	49	7	70	5	8
7	77	7	3	56	5	14	4	49	9
1	84	12	7	35	8	63	42	12	7
56	63	6	77	5	56	21	7	35	9



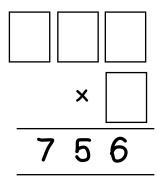
Missing Number Workout

Solve each calculation in at least two ways.

Coco is multiplying a three-digit number by a one-digit number.

The answer is 756.

Find at least three different ways.





Treats Challenge

Chocolate buttons cost 60p and packets of Crisp Hoopos cost 70p.

Alec spends £12 on treats and buys twice as many packets of Crisp Hoopos as chocolate buttons.

How many of each did he buy?

If he spent £7.50 and bought three times as many packets of chocolate buttons as packets of Crisp Hoopos, how many of each did he buy?





The prices go up!

Chocolate buttons cost 80p and packets of Crisp Hoopos cost 90p.

Jim spends £10.40 on treats and buys twice as many packets of Crisp Hoopos as chocolate buttons.

How many of each did he buy?

If he spent £13.20 and bought three times as many packets of chocolate buttons as packets of Crisp Hoopos, how many of each did he buy?

Workout G



Word Problem Workout

Be careful - they are not all multiplication problems!

Colin is planting bulbs. He plants 36 bulbs in each pot. There are 7 pots. How many bulbs does he plant in total?

Colin has taken up jogging. He jogs 235km each month. How far will he have jogged in 6 months?

Colin loves apples. Each crate has 135 apples in it. How many apples are there in 9 crates?

Coco has earned £486.
Coco has earned three times as much as Colin.
How much has Colin earned?

Coco loves crackers. She buys 6 packs of crackers. There are 24 crackers in each pack. She eats 12 crackers. How many crackers does she have left?

Create your own problems for 124 \times 6



1 - 20 Workout

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.

1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
10	20

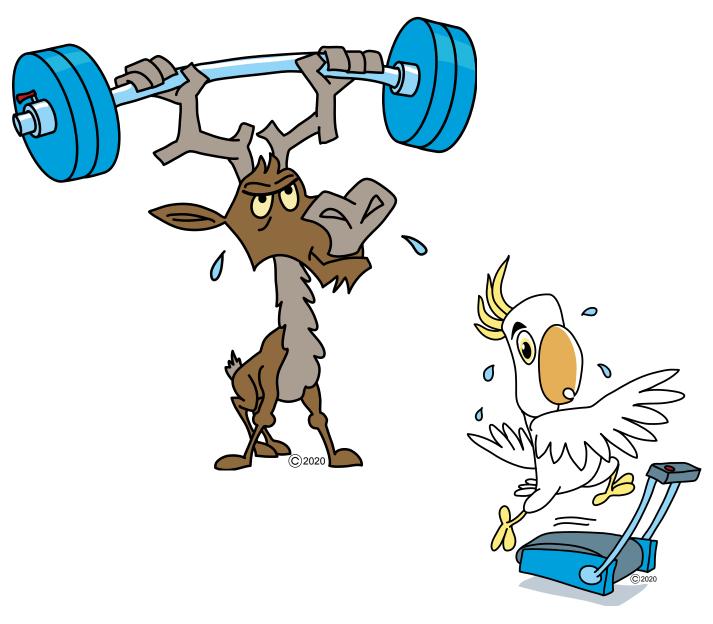


Colin and Coco's Daily Maths Workout



Workout 4.2

Division



Division Workout

Workout A

$$35 \div 7 =$$

Division Workout

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

$$= 210 \div 7$$

$$= 350 \div 7$$

$$= 420 \div 7$$

Workout B

$$= 360 \div 6$$

$$= 480 \div 8$$

$$= 640 \div 8$$

$$= 960 \div 8$$

$$= 540 \div 9$$

$$= 720 \div 9$$

$$= 810 \div 9$$

Division Workout

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

Workout C

Workout D

Division Game

You need: A Counter each 1 – 6 dice What's Left? Board – 6s

To play:

Take it in turns to throw the dice and move up the board. Divide the number you land on by six.
You score the remainder.

For example: If you land on 25 you calculate $25 \div 6$ $4 \times 6 = 24$ so the result is 4 remainder 1 You would score 1 point.

To win:

The winner is the player with the highest score when the first player passes the finish.

What's left? Board - 6s

45	64	52	67	40	13
Finish					69
53	15	51	35	57	39
61					
15	26	54	17	27	39
					26
41	56	48	53	37	13
49					Start
28	59	31	31 21 28 3		34

Missing Number Workout

Find the missing digits.

$$\div 6 = \boxed{r 1}$$

Solve the calculation in several different ways.

Find the missing digits in the following calcualtions. Solve each one in several ways if possible.

Solve both calculations together using the digits 1, 2, 3, 4, 5, 6, 7 and 8 once each.



Tins of Beans Workout

Colin has some tins of beans.

When he puts the tins of beans in packs of six he gets one tin left over.

When she piuts the same number of tins of beans in packs of four he gets three left over.

Investigate possible numbers of tins of beans that Colin could have.

Workout G

Word Problem Workout

Be careful - they are not all division problems!

Colin is planting 360 bulbs. He plants the same number of bulbs in each pot. There are 9 pots. How many bulbs does he plant in each pot?

Colin has taken up jogging. He jogs a total of 558km. He jogs 9km in each session. How many jogging sessions has he done?

Colin loves apples. He has 732 apples. Each crate has the same number of apples in it. He has 6 crates. How many apples are in each crate?

Coco has 28 sweets. Colin has seven times as many sweets as Coco. How many sweets does Colin have?

Coco loves crackers. She has 110 crackers. She puts exactly 9 crackers on each plate, and eats the left over crackers. How many crackers does she eat?

Create your own problems for 258 ÷ 6



1 - 20 Workout

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.

1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
10	20