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

Colin and Coco's Daily Maths Workout

Workout 4.1

Multiplication

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Workout A

Multiplication Workout

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

$40 \times 9 =$	$60 \times 5 =$	$60 \times 12 =$
$80 \times 9 =$	$30 \times 8 =$	$12 \times 70 =$
$30 \times 6 =$	$60 \times 9 =$	$8 \times 60 =$
$70 \times 6 =$	$40 \times 7 =$	$90 \times 12 =$

Workout B

Multiplication Workout

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

$= 6 \times 14$	$= 7 \times 18$	$= 6 \times 57$
$= 7 \times 23$	$= 9 \times 24$	$= 7 \times 36$
$= 9 \times 16$	$= 6 \times 34$	$= 9 \times 46$
$= 6 \times 25$	$= 7 \times 42$	$= 7 \times 39$

Workout C

Multiplication Workout

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

$124 \times 3 =$	$8 \times 312 =$	$476 \times 9 =$
$324 \times 4 =$	$3 \times 243 =$	$394 \times 6 =$
$231 \times 6 =$	$6 \times 241 =$	$837 \times 7 =$
$134 \times 7 =$	$7 \times 152 =$	$386 \times 8 =$

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Join Up - A Multiplication Game

Workout D

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 x 7 = 35

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

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

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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

Workout D

Solve each calculation in at least two ways.

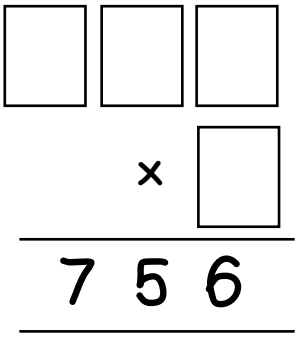
□□ × □ = 480

□□ × □ = 540

□□ × □ = 360

□□ × □ = 240

Coco is multiplying a three-digit number by a one-digit number.
The answer is 756.
Find at least three different ways.



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Treats Challenge

Workout E

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?

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Word Problem Workout

Workout F

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 × 6

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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.

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

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Colin and Coco's Daily Maths Workout

Workout 4.2

Division

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Workout A

Division Workout

18 ÷ 6 = ☐	35 ÷ 7 = ☐	55 ÷ 6 = ☐	80 ÷ 7 = ☐
21 ÷ 7 = ☐	54 ÷ 9 = ☐	57 ÷ 7 = ☐	66 ÷ 9 = ☐
72 ÷ 9 = ☐	72 ÷ 6 = ☐	82 ÷ 9 = ☐	47 ÷ 6 = ☐
24 ÷ 6 = ☐	49 ÷ 7 = ☐	50 ÷ 6 = ☐	67 ÷ 7 = ☐

Workout B

Division Workout

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

☐ = 210 ÷ 7	☐ = 350 ÷ 7	☐ = 420 ÷ 7	☐ = 4900 ÷ 7
☐ = 360 ÷ 6	☐ = 480 ÷ 6	☐ = 720 ÷ 6	☐ = 5400 ÷ 6
☐ = 480 ÷ 8	☐ = 640 ÷ 8	☐ = 960 ÷ 8	☐ = 7200 ÷ 8
☐ = 540 ÷ 9	☐ = 720 ÷ 9	☐ = 810 ÷ 9	☐ = 1080 ÷ 9

Workout C

Division Workout

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

342 ÷ 3 = ☐	912 ÷ 8 = ☐	258 ÷ 3 = ☐
468 ÷ 4 = ☐	918 ÷ 9 = ☐	336 ÷ 4 = ☐
678 ÷ 6 = ☐	348 ÷ 3 = ☐	456 ÷ 8 = ☐
966 ÷ 7 = ☐	248 ÷ 4 = ☐	387 ÷ 9 = ☐

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Division Game

Workout D

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 ÷ 6
4 x 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.

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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	21	28	34

Missing Number Workout

Workout E

Find the missing digits.

$$\square\square \div 6 = \square \text{ r } 1$$

Solve the calculation in several different ways.

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

$$\begin{array}{r} \square 3 \square \\ \square \overline{)\,7 \square 6} \end{array}$$

$$\begin{array}{r} 1 \square \square \\ \square \overline{)\,9 \square 5} \end{array}$$

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

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Tins of Beans Workout

Workout F

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.

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Word Problem Workout

Workout G

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

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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.

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

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