Colin and Coco's Daily Maths Workout

Workout 4.9   Answers

KeeP-uppI (Term 2)

KPIs for Term 2
Add and subtract numbers with up to 4-digits mentally
Know and use multiplication facts for 6, 7 and 9 multiplication tables
Know and use division facts for 6, 7 and 9 multiplication tables

Adding Mentally Workout

$3{,}995 + 7 =$ `4,002` $3{,}460 + 70 =$ `3,530` $4{,}570 + 999 =$ `5,569`

$4{,}996 + 8 =$ `5,004` $6{,}890 + 40 =$ `6,930` $5{,}800 + 499 =$ `6,299`

$6{,}998 + 9 =$ `7,007` $4{,}960 + 70 =$ `5,030` $7{,}860 + 1{,}998 =$ `9,858`

$999 + 8 =$ `1,007` $8{,}990 + 60 =$ `9,050` $2{,}999 + 999 =$ `3,998`

$8{,}997 + 6 =$ `9,003` $4{,}990 + 90 =$ `5,080` $4{,}999 + 3{,}998 =$ `8,997`

Subtracting Mentally Workout

$2{,}000 - 7 =$ `1,993` $3{,}450 - 70 =$ `3,380` $4{,}500 - 999 =$ `3,501`

$4{,}203 - 6 =$ `4,197` $5{,}050 - 80 =$ `4,970` $7{,}860 - 4{,}999 =$ `2,861`

$5{,}101 - 8 =$ `5,093` $6{,}034 - 70 =$ `5,964` $7{,}860 - 2{,}999 =$ `4,861`

$5{,}004 - 8 =$ `4,996` $7{,}300 - 600 =$ `6,700` $3002 - 2{,}998 =$ `4`

$9{,}008 - 9 =$ `8,999` $8{,}497 - 900 =$ `7,597` $9{,}999 - 8{,}998 =$ `1,001`

Times Tables Workout

$6 \times 7 =$ `42` $8 \times 7 =$ `56` $9 \times 8 =$ `72` $54 \div 9 =$ `6`

$54 \div 6 =$ `9` $21 \div 7 =$ `3` $36 \div 9 =$ `4` $24 \div 6 =$ `4`

$6 \times 6 =$ `36` $7 \times 7 =$ `49` $9 \times 9 =$ `81` $28 \div 7 =$ `4`

$72 \div 6 =$ `12` $84 \div 7 =$ `12` $108 \div 9 =$ `12` $99 \div 9 =$ `11`

$8 \times 6 =$ `48` $9 \times 7 =$ `63` $9 \times 3 =$ `27` $0 \times 9 =$ `0`

Adding and Subtracting Game

You need:
Adding and Subtracting Game templates (see below for Game 1 and Game 2)
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 or Game Template 2.
Each player shuffles Card Set A and picks four cards to create a 4-digit number on the template.

Each player shuffles Card Set B and picks a card.
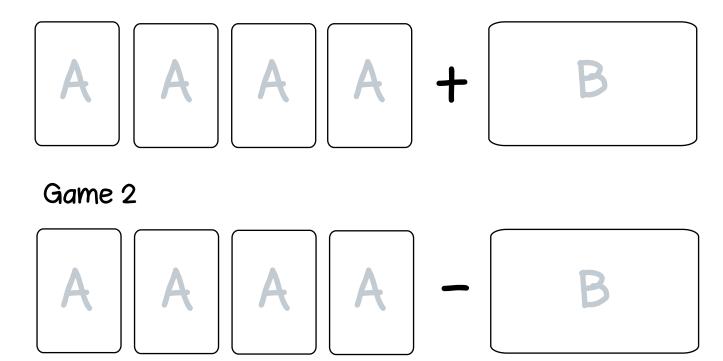It is placed on the Game
Template to make a calculation.

Both players find the answer to their calculation.

To win:
The player who calculates the highest total wins a point.
The first player to get 10 points wins the Game.

Game 1

| A | A | A | A | + | B |

Game 2

| A | A | A | A | − | B |

Set A

0	1	2	3	4
5	6	7	8	9

Set B

1,999	2,999	999
5	50	500
9	90	900

Times Tables Workout

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

Complete them in several different ways, where possible.

Possible
Solution

$\boxed{6} \times \boxed{7} = 4 \ \boxed{2}$

$6 \ \boxed{3} \div 7 = \boxed{9}$

$9 = \boxed{5} \ \boxed{4} \div \boxed{6}$

$1 \ \boxed{0} \ \boxed{8} \div \boxed{9} = \boxed{1} \ \boxed{2}$

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
at least once each.

Times Tables Array Investigation

Use arrays to complete the grid such that each array contains exactly one number, and that number represents the area of the array.

One array has been completed for 9 (3 × 3).

Word Problem Workout

1. A football team had 2,352 fans at their match in week 1 and
   2,006 fans at the match in week 2.
   How many fans attended the two matches in total?   4,358

2. The Nile River is 4,404 miles long.
   The Mississippi River is 3,902 miles.
   How much longer is the Nile River?   502 miles

3. There are 2,500 marbles in a pack.
   Dan and Eric take 400 marbles each.
   How many marbles are left?   1,700

4. Coco has £5000.
   She buys a TV for £1,999.
   She buys a computer for £500.
   How much money does she have left?   £2,501

5. The population of Mooseville is 1,425
   The population of Cocotown is 999
   What is the difference in the populations of
   Mooseville and Cocotown?   426

6. Colin is saving to buy a car. It costs £8,500
   He has saved £4,998
   How much more money does he need to save?   £3502

7. The difference between two 4-digit number is 70
   The numbers have a different thousands digit.
   Find a possible pair of numbers.   4,030 and 3,960

Create your own word problems involving adding and subtracting
4-digit numbers mentally

Matching Workout

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

2,950 + 70		3,200
4,100 – 900		4,021
5,020 – 1,999		3,020
2,020 + 1,999		4,020
4,930 + 90		4,019
5,019 – 999		3,021
8,020 – 3,999		5,020

Match the calculations.
Fill in the missing buddies.

48 ÷ 6		54 ÷ 9
56 ÷ 8		35 ÷ 7
72 ÷ 6		72 ÷ 9
63 ÷ 7		108 ÷ 9
45 ÷ 9		66 ÷ 6
36 ÷ 6		81 ÷ 9
77 ÷ 7		42 ÷ 6

Create your own Matching Workouts