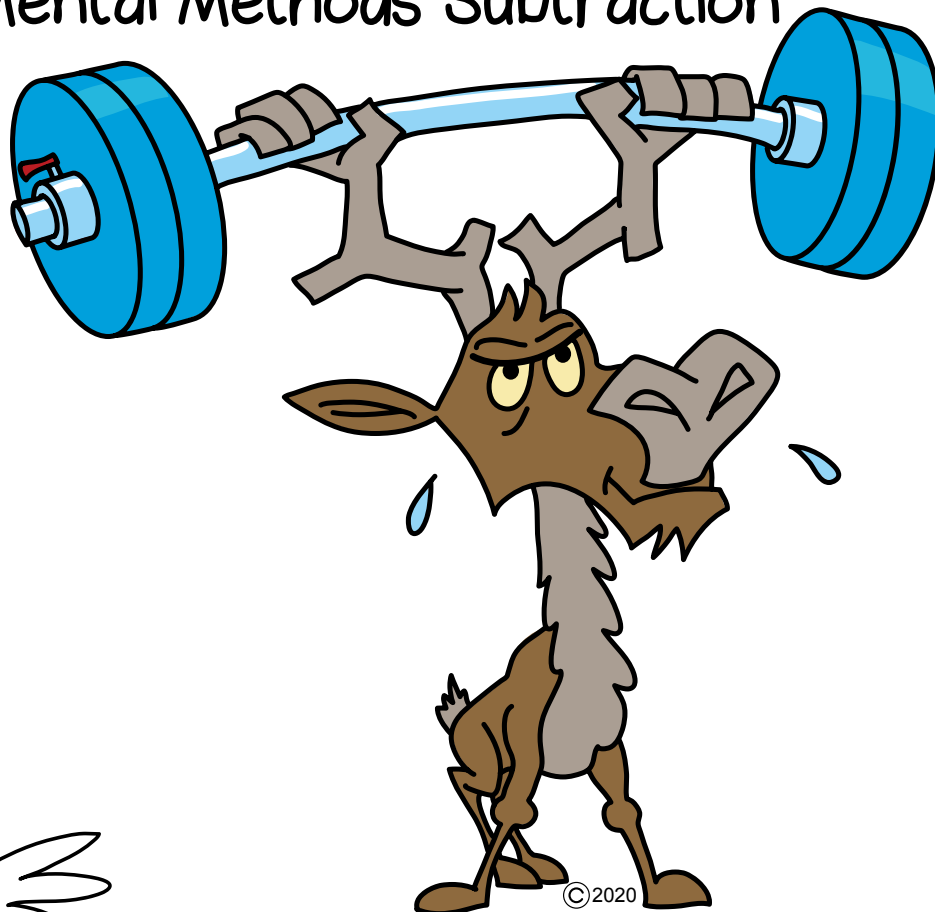




Colin and Coco's Deliberate Practice

Year 4 Unit 5

Addition and Subtraction
Mental Methods Subtraction





Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Subtract ones from 4-digit number (where the hundreds change)	1		1
Subtract ones from 4-digit number (where the thousands change)	1		1
Subtract tens from 4-digit number (where the hundreds change)	1	1	1
Subtract tens from 4-digit number (where the thousands change)	1	1	1
Subtract hundreds from 4-digit number (where the thousands change)	2		
Subtract 3-digit number from 4-digit number using rounding to the nearest hundred and then compensating	2		
Subtract 4-digit number from a 4-digit number using rounding to the nearest thousand and then compensating			2
Subtract by finding the difference between two 4-digit numbers by counting on		2	



Do It 1

Use an efficient mental strategy and jottings to calculate:

$1982 - 4 =$		$2345 - 80 =$		$2045 - 80 =$	
$2995 - 7 =$		$3423 - 50 =$		$3053 - 70 =$	
$2004 - 6 =$		$4724 - 60 =$		$4004 - 60 =$	
$3002 - 5 =$		$8712 - 40 =$		$8010 - 70 =$	

Challenge It 1

Match the calculation to the answer.
Find the missing buddies.

3052 - 80	2984
2962 - 80	1972
3542 - 70	2972
	1912
3002 - 70	3272
2032 - 60	2882
2002 - 90	
3042 - 50	2932
3312 - 40	3472



Add Ones and Tens Game

Play It 1

You need:
0 - 9 cards

To play:

Pick Game Template 1, 2 or 3

Shuffle the cards and place them face down.

Take turns to turn over a card and place the digit in the Game Template.

Once a digit is placed it cannot be moved.

Both players now find the answer to their calculation using an efficient strategy.

The player who calculates the largest difference scores a point.

To win:

The winner is the first player to score 10 points.

Play again scoring points for the lowest difference.

Game 1

	0	0		-	
--	---	---	--	---	--

Game 2

		0		-		0
--	--	---	--	---	--	---

Game 3

	0	0		-		0
--	---	---	--	---	--	---



Do It 2

Use an efficient mental strategy and jottings to calculate:

$3248 - 400 =$		$2385 - 199 =$		$2245 - 399 =$	
$9265 - 500 =$		$3673 - 399 =$		$3451 - 699 =$	
$4682 - 700 =$		$4862 - 598 =$		$4067 - 298 =$	
$6899 - 900 =$		$5998 - 899 =$		$2091 - 898 =$	

Put digits in the empty boxes to complete the statement in several different ways.

Challenge It 2

$$\boxed{4} \boxed{} \boxed{} \boxed{} - \boxed{3} \boxed{} \boxed{} \boxed{} = 5$$

Solve the problem

$$\boxed{} \boxed{} \boxed{} \boxed{} - \boxed{} \boxed{} \boxed{} \boxed{} = 7$$

if the 4-digit numbers have:

- i) the same tens digits
- ii) the same hundreds digits
- iii) the same hundreds digits but the tens digits are different
- iii) the thousands digits are different



Round to Subtract Game

Play It 2

You need:

0 - 9 dice

To play:

Take it in turns to roll the dice to make a 4-digit number.

Both players now subtract 1999 from their number using an efficient strategy.
The player who calculates the largest answer scores a point.

To win:

The winner is the first player to score 10 points.

Play again subtracting 1990