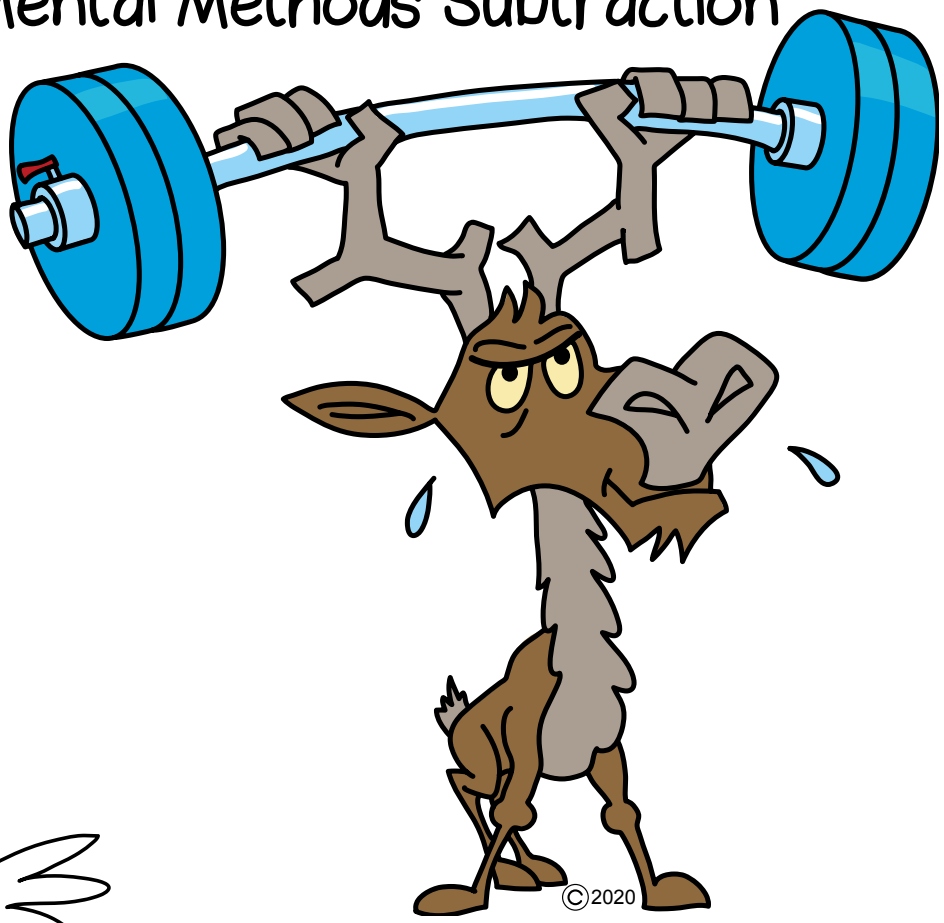
Colin and Coco's Deliberate Practice

Year 4 Unit 5 Answers

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 mangeable 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 =	1978	2345 – 80 =	2265	2045 – 80 =	1965
2995 – 7 =	2988	3423 – 50 =	3373	3053 – 70 =	2983
2004 – 6 =	1998	4724 – 60 =	4664	4004 – 60 =	3944
3002 – 5 =	2997	8712 – 40 =	8672	8010 – 70 =	7940

Challenge It 1

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

3052 – 80	2984
2962 – 80	1972
3542 – 70	2972
3044 – 60	1912
3002 – 70	3272
2032 – 60	2882
2002 – 90	2992
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 = 2848	2385 – 199 = 2186	2245 – 399 = 1846
9265 – 500 = 8765	3673 – 399= 3274	3451 – 699 = 2752
4682 – 700 = 3982	4862 – 598 = 4264	4067 – 298 = 3769
6899 – 900 = 5999	5998 – 899 = 5099	2091 – 898 = 1193

Challenge It 2

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

4 0 0 2 - 3 9 9 7 = 5

Solve the problem □□□□ - □□□□ = 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