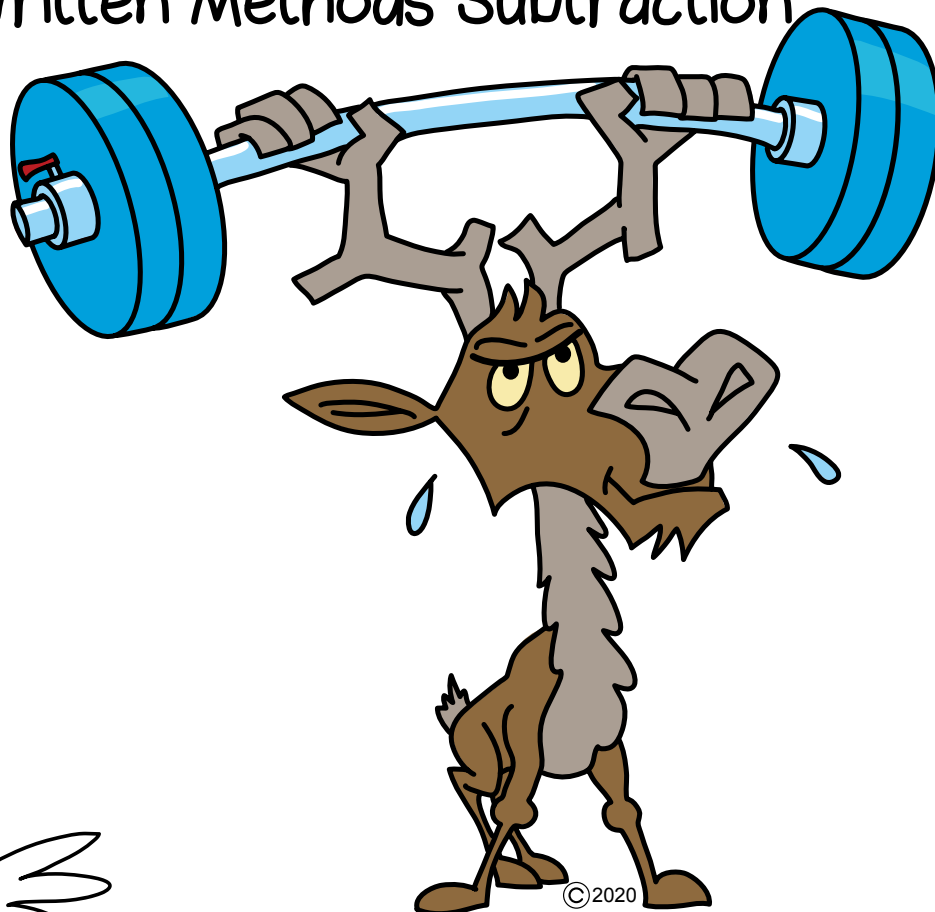




Colin and Coco's Deliberate Practice

Year 4 Unit 8 **Answers**

Addition and Subtraction
Written 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 a 4-digit number from a 4-digit number, no exchanging		1	
Use column subtraction for 4-digit numbers when exchanging is required in the tens column	1		1
Use column subtraction for 4-digit numbers when exchanging is required in the hundreds column	1		1
Use column subtraction for 4-digit numbers when exchanging is required in the thousands column	2		
Use column subtraction for 4-digit numbers when exchanging is required in multiple columns	2	2	
Use column subtraction for 4-digit and 3-digit numbers when exchanging is required in multiple columns	3		3
Use column subtraction for 4-digit and 2-digit numbers when exchanging is required in multiple columns		3	



Use a formal written method to calculate:

$$1. \quad 3754 - 1336 = \quad 2418$$

$$7. \quad 3638 - 1177 = \quad 2461$$

$$2. \quad 6357 - 2228 = \quad 4129$$

$$8. \quad 3577 - 1283 = \quad 2294$$

$$3. \quad 4796 - 1658 = \quad 3138$$

$$9. \quad 4276 - 1186 = \quad 3090$$

$$4. \quad 3664 - 1327 = \quad 2337$$

$$10. \quad 5765 - 3583 = \quad 2182$$

$$5. \quad 5754 - 3526 = \quad 2228$$

$$11. \quad 7528 - 3456 = \quad 4072$$

$$6. \quad 7652 - 1227 = \quad 6425$$

$$12. \quad 6703 - 1642 = \quad 5061$$

Challenge It 1

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

3452 - 1320	2453
6748 - 3513	2444
3548 - 1203	2132
3785 - 1332	2345
4952 - 2631	3214
5798 - 3354	3235
6968 - 3723	2332
4846 - 2514	2321
5857 - 2643	3245



Subtracting 4-digit Numbers Game

You need:

0 - 9 cards

Game Template for each player

To play:

Use the Game Template.

Shuffle the cards and place them face down.

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

Once a digit is placed it cannot be moved.

Create numbers so that there is only exchanging in one column - the tens or the hundreds column.

Once both players have made two 4-digit numbers both players find the answer to their calculation.

If exchanging is needed in the thousands column or in more than one column you are 'bust' and the other player wins a point for that round.

Otherwise, the player who calculates the largest answer scores a point.

To win:

The winner is the first player to score 10 points.

	8	5	
-	2		7



Use a formal written method to calculate:

$$1. 3178 - 1336 = 1842$$

$$7. 3638 - 1749 = 1889$$

$$2. 6357 - 2523 = 3834$$

$$8. 3577 - 1658 = 1919$$

$$3. 4195 - 1653 = 2542$$

$$9. 4276 - 1657 = 2619$$

$$4. 6264 - 1323 = 4941$$

$$10. 5265 - 3523 = 1742$$

$$5. 5754 - 3821 = 1933$$

$$11. 7170 - 3616 = 3554$$

$$6. 7652 - 1842 = 5810$$

$$12. 6063 - 1647 = 4416$$

Challenge It 2

Find the missing digits.
Solve them in several ways.

$$\begin{array}{r} 4 \boxed{7} \boxed{3} 2 \\ - 1 \boxed{9} 2 \boxed{8} \\ \hline 28 \boxed{0} 4 \end{array}$$

$$\begin{array}{r} 6 \boxed{6} 7 \boxed{1} \\ - 17 \boxed{4} 6 \\ \hline 49 \boxed{2} \boxed{5} \end{array}$$

Possible solution

Solve them together using the digits 0 - 9 once each.



Exchange Lots Game

You need:

Two sets of 0 - 9 cards

Game Template for each player

To play:

Shuffle the cards and place them face down.

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

Once a digit is placed it cannot be moved.

Create numbers so that there is as much exchanging as possible.

(Your calculation must start with the larger 4-digit number at the top!)

Once both players have made two 4-digit numbers both players find the answer to their calculation.

Score a point for each column that you need to exchange in.

To win:

The winner is the first player to score 15 points.

--	--	--	--

—

--	--	--	--



Do It 3

Use a formal written method to calculate:

$1. 4313 - 856 = 3457$

$7. 3638 - 749 = 2889$

$2. 6742 - 868 = 5874$

$8. 3577 - 668 = 2909$

$3. 4135 - 727 = 3408$

$9. 4276 - 667 = 3609$

$4. 6264 - 678 = 5586$

$10. 5265 - 583 = 4682$

$5. 5754 - 885 = 4869$

$11. 7170 - 618 = 6552$

$6. 7652 - 763 = 6889$

$12. 6063 - 672 = 5391$

Challenge It 2

Make the statement true in several different ways, exchanging in two columns.

$$\begin{array}{r} \begin{array}{|c|c|c|c|} \hline 3 & 5 & 2 & 1 \\ \hline \end{array} \\ - \quad \quad \quad \begin{array}{|c|c|} \hline 4 & 6 \\ \hline \end{array} \\ \hline 3 \ 4 \ 7 \ 5 \\ \hline \end{array}$$

Possible solution

Solve it using the digits 1, 2, 3, 4, 5 and 6 once each.



Game

You need:

0 - 9 dice (or cards)

To play:

Each player starts with a score of 5333

Take turns to throw the dice to get a 2-digit number. Subtract it from your score.

Continue taking turns to throw and subtract until you have less than 4888

To win:

The winner is the first player to have a score of less than 4888

--	--	--	--

-

--	--
