

Year 5

Block 2

Unit: Addition and Subtraction

Key Vocabulary:

add	total	altogether	more	difference	subtract
less	estimate	column addition	complex	inverse operation	
number facts	column subtraction	place value			

What will I know by the end of this unit?

Add Whole Numbers with more than four digits:

TTh	Th	H	T	O
10,000 10,000	1,000 1,000 1,000 1,000 1,000 1,000	100 100 100 100 100	10 10 10 10 10 10 10	1 1 1 1
10,000	1,000 1,000 1,000 1,000 1,000	100 100	10 10 10 10	1
4	2	8	0	5

10,000 100

2	6	5	7	4
+	1	6	2	3
	4	2	8	0
				5

Subtract Whole Numbers with more than four digits:

TTh	Th	H	T	O
10,000 10,000	1,000 1,000 1,000 1,000 1,000 1,000	100 100 100 100 100	10 10 10 10 10 10 10	1 1 1 1
10,000	1,000 1,000 1,000 1,000 1,000	100 100	10 10 10 10	1
2	8	2	6	0

2	8	2	6	0
-		3	2	7
	2	8	2	6
				0

Inverse Operations:

Subtraction:

To check

$$53,476 - 32,732 = 20,744$$

Use:

$$32,732 + 20,744 = 53,476$$

53,476
32,732 20,744

Addition:

To check:

$$34,593 + 23,439 = 58,032$$

Use:

$$58,032 - 23,439 = 34,593$$

58,032
34,593 23,439

Multistep Problems:

Eva and Mo each have some money.

Mo has £700.

The difference between the two amounts is £600.

What is the sum of their money altogether?

Mo 700 $\leftarrow 600$ } ?
Eva ? } ?

$$700 + 600 = 1,300$$

Mo 700 $\leftarrow 600$ } ?
Eva 1,300 } ?

$$700 + 1,300 = 2,000$$

Mo 700 $\leftarrow 600$ } 2,000
Eva 1,300 } 2,000

Mental Strategies:

3 apples + 2 apples = 5 apples



3 ones + 2 ones = 5 ones



3 tens + 2 tens = 5 tens



3 thousands + 2 thousands = 5 thousands



3 ten thousands + 2 ten thousands = 5 ten thousands



$$3 + 2 = 5$$

$$300 + 200 = 500$$

$$3,000 + 2,000 = 5,000$$

$$30,000 + 20,000 = 50,000$$

Round to Check Answers:

	Shop A	Shop B	Shop C
Morning	£8,000	£3,231	£6,008
Afternoon	£16,813	£6,499	£11,508

Estimate which shop made the most money.

Shop A: $8,000 + 17,000 = \pounds 25,000$

Shop B: $3,000 + 6,000 = \pounds 9,000$

Shop C: $6,000 + 12,000 = \pounds 18,000$

Shop C

Find Missing Numbers:

$$56 + 229 = \underline{\hspace{2cm}} + 100$$

56	229
?	100

$$56 + 229 = 285$$

$$285 - 100 = 185$$