

Adding to One Billion

Grade 6 Math | Version A | ANSWER KEY | Side 1



Name: _____

Date: _____

- 1 Start on the right (the ones).
- 2 10 or more? Carry the 1 to a ☆
- 3 Add the carry in the next column.
- 4 Last carry goes in the gold crown box.

A Warm-up Add. Carry the 1 to a ☆

1 $586\,947 + 278\,365 = 865\,312$

	MILL.			THOUSANDS			ONES		
	O			H	T	O	H	T	O
carry		☆	☆	☆	☆	☆	☆	☆	
	5	8	6	9	4	7			
+	2	7	8	3	6	5			
=	865			312					

2 $4\,758\,396 + 2\,867\,548 = 7\,625\,944$

	MILLIONS			THOUSANDS			ONES		
	T	O		H	T	O	H	T	O
carry		☆	☆	☆	☆	☆	☆	☆	
	4	7	5	8	3	9	6		
+	2	8	6	7	5	4	8		
=	7625			944					

B Add to one billion Add. Carry the 1 to a ☆

3 $352\,618\,475 + 241\,375\,836 = 593\,994\,311$ 4 carries

	BILL.			MILLIONS			THOUSANDS			ONES		
	O			H	T	O	H	T	O	H	T	O
carry		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
	3	5	2	6	1	8	4	7	5			
+	2	4	1	3	7	5	8	3	6			
=	593			994			311					

4 $405\,093\,708 + 396\,908\,495 = 802\,002\,203$ 8 carries

	BILL.			MILLIONS			THOUSANDS			ONES		
	O			H	T	O	H	T	O	H	T	O
carry		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
	4	0	5	0	9	3	7	0	8			
+	3	9	6	9	0	8	4	9	5			
=	802			002			203					

B Add to one billion (keep going) Add. Carry the 1 to a ☆

5

637 482 915

+ 362 517 085

= 1 000 000 000 9 carries (1 in gold box)

BILL. O	MILLIONS			THOUSANDS			ONES		
	H	T	O	H	T	O	H	T	O
carry	☆	☆	☆	☆	☆	☆	☆	☆	
	6	3	7	4	8	2	9	1	5
+	3	6	2	5	1	7	0	8	5
=	1	0	0	0	0	0	0	0	0

6

768 459 237

+ 485 326 948

= 1 253 786 185 6 carries (1 in gold box)

BILL. O	MILLIONS			THOUSANDS			ONES		
	H	T	O	H	T	O	H	T	O
carry	☆	☆	☆	☆	☆	☆	☆	☆	
	7	6	8	4	5	9	2	3	7
+	4	8	5	3	2	6	9	4	8
=	1	2	5	3	7	8	6	1	8

C Show what you know Read. Then add.

7

Max forgot to carry!

1. Write the carries in the ☆

2. Write the right answer.

Right answer: 843 445 231

Max wrote 733 334 121. He missed 7 carries.

BILL. O	MILLIONS			THOUSANDS			ONES		
	H	T	O	H	T	O	H	T	O
carry	☆	☆	☆	☆	☆	☆	☆	☆	
	4	8	6	2	7	5	9	4	3
+	3	5	7	1	6	9	2	8	8
=	7	3	3	4	4	5	2	3	1

8

A video got 486 375 629 views last year.

This year it got 527 948 516 views.

How many views in all?

Write the numbers in the boxes. Add.

Answer: 1 014 324 145 views

More than one billion? (yes) / no

BILL. O	MILLIONS			THOUSANDS			ONES		
	H	T	O	H	T	O	H	T	O
carry	☆	☆	☆	☆	☆	☆	☆	☆	
	4	8	6	3	7	5	6	2	9
+	5	2	7	9	4	8	5	1	6
=	1	0	1	4	3	2	4	1	5

Scoring: 2 points each (1 for the carries, 1 for the answer). Total 16.

Emerging 0 to 6 Developing 7 to 11 Proficient 12 to 14 Extending 15 to 16

Adding to One Billion: Teacher Notes

Grade 6 Math | Version A | Answer key and scoring



BC Math 6 content: small to large numbers (thousandths to billions); operations with thousandths to billions.

Competency: Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving.

Big idea: Computational fluency develops from a strong sense of number.

Give it

- Print double-sided (1 sheet). About 30 to 40 min.
- Read the 4 steps and the word problem aloud.
- No calculators. Same grid as the Carry Collector mats.

Score it (2 points each, total 16)

Emerging 0 to 6

Developing 7 to 11

Proficient 12 to 14

Extending 15 to 16

1 point for the carries, 1 point for the answer.

Answers at a glance

#	Part	Question	Answer	Carries	Gold box?
1	A	$586\,947 + 278\,365$	865 312	5	no
2	A	$4\,758\,396 + 2\,867\,548$	7 625 944	5	no
3	B	$352\,618\,475 + 241\,375\,836$	593 994 311	4	no
4	B	$405\,093\,708 + 396\,908\,495$	802 002 203	8	no
5	B	$637\,482\,915 + 362\,517\,085$	1 000 000 000	9	yes
6	B	$768\,459\,237 + 485\,326\,948$	1 253 786 185	6	yes
7	C (find the mistake)	$486\,275\,943 + 357\,169\,288$	843 445 231	7	no
8	C (word problem)	$486\,375\,629 + 527\,948\,516$	1 014 324 145	8	yes

Look-fors

- Forgets to add the carried 1 to the next column
- Writes 2 digits in one box (no carry)
- Misses the last carry (gold box empty)
- Word problem: lines numbers up on the left, not the ones

Next steps

- **Emerging / Developing:** small group, Carry Collector Thousands mat, then Millions.
- **Proficient:** more Carry Collector rounds at their level.
- **Extending:** add 3 numbers, or read each answer aloud by periods.