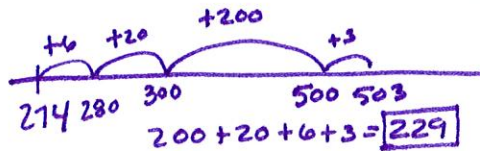Student Name: _**Key!**_ Date: _____

3rd Grade Cluster 3 CFA Assessment

1. Raquel has 274 beads. She is working on a craft that uses 503 beads. How many more beads does she need to finish the craft?
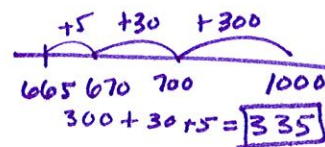
   (A) 229   B   279

   C   329   D   777

   $+6$ $+20$ $+200$ $+3$

   214 280 300 500 503

   $200 + 20 + 6 + 3 = \boxed{229}$

2. Panther's Elementary has 1000 tickets to sell for the fall festival.

   - 368 tickets were sold last week.
   - 297 tickets were sold this week.

   How many tickets does Panther's Elementary have left to sell?

   A   665   B   435

   C   365   (D) 335

   300 60 8
   200 90 7
   $\overline{500 + 150 + 15} = 665$

   $+5$ $+30$ $+300$

   665 670 700 1000

   $300 + 30 + 5 = \boxed{335}$

3. Four students recorded an equation on a sticky note:

Leona	Amanda
$46 + 0 = 47$ $46 \neq 47$	✓ $38 + 59 = 59 + 38$
Miquel ✓ $\boxed{16} + \underline{49} + \boxed{4} = \boxed{16} + \boxed{4} + \underline{49}$	**Braxton** ✗ $3\underline{2} + 9 + 55 = 55 + 9\underline{2} + 3$

   Which students recorded an equation that is true?
   A   Amanda only
   (B) _Amanda and Miguel_
   C   Miguel and Braxton
   D   Amanda, Miguel, and Braxton

4. Tonia, Anya, and Marcus are keeping track of how many days they have attended school since kindergarten.

- Tonia has attended 97 fewer days than Anya.
- Anya has attended 56 more days than Marcus.
- Marcus has attended 582 days so far.

handwritten:
500 80 2
50 6
500 + 130 + 8 = 638

638 − 100 = 538 + 3 = 541

How many days has Tonia attended?

A 735   B 638
C 541   D 526

5. *Vincent and Lexi both solved the problem 346 − 297. The two boys had two different answers.*

Vincent:	Lexin:
346 - 297 = 49	346 - 297 = 159

Which equation shows a way that Vincent can check to see if his answer is correct?

A $159 - 49 = 110$ B $49 + 159 = 208$
C $297 - 49 = 248$ D $49 + 297 = 346$

7. Anya and her sister are saving their money for a special trip. Anya had $248 saved.

- She received $163 this month for babysitting.
- Now Anya has $175 more saved than her sister.

handwritten:
200 40 8
100 60 3
300 + 100 + 11 = 411

+25 +200 +11
175 200 400 411
200 + 25 + 11 = 236

How much money does Anya's sister have saved?

A $586   B $411
C $236   D $85

8. Nicolette has a collection of 342 stamps. Nicolette has 126 more stamps than her sister Katina. How many stamps does Katina have?

A 469   B 226
C 224   D 216

handwritten:
342 − 126
+4 +12 +200   200 + 12 + 4 = 216
126 130 142   342

9. Tyler's family is going to take a trip to Panama City Beach in Florida this summer.

- They will travel 255 miles from Charlotte to Atlanta, Georgia. *255 + 294 =*
- Then they will travel 294 miles from Atlanta to Panama City Beach, Florida.

How many miles is it from Charlotte to Panama City Beach, Florida?

handwritten:
200 50 5
200 90 4
400 + 140 + 9 = 549

A 39 miles   B 449 miles
C 549 miles   D 559 miles

10. Collette read for 348 minutes last week. That was 179 minutes fewer than she read this week. What is the total number of minutes Collette read for both weeks?

$348 + 179 + 348$

$$300 \quad 40 \quad 8$$
$$100 \quad 70 \quad 9$$
$$300 \quad 40 \quad 8$$
$$700 + 150 + 25 = \boxed{875}$$

- (A) 875
- B 775
- C 527
- D 169

11. Miguel has 398 baseball cards and 245 football cards. Which of the following best describes about how many cards Miguel has?

$400 + 250 = 650$

- A Less than 600 cards
- (B) About 650 cards
- C About 700 cards
- D More than 700 cards

12. Panthers Elementary School served 526 lunches on Monday. 289 lunches were served to boys. How many girls were served lunch by the cafeteria?

$529 - 289$

$$400 \quad 10 \quad 16$$
$$500 \quad 20 \quad 6$$
$$- \quad 200 \quad 80 \quad 9$$
$$200 + 30 + 7 = \boxed{237}$$

- A 236
- (B) 237
- C 337
- D 815

13. Drew has 185 fiction books and 207 nonfiction books. He wants to find how many books he has altogether. Which of the following shows how he can decompose 185 and 207 using place value to find the total number of books he has?

$100 \quad 80 \quad 5 \qquad 200 \quad 7$

- A $1 + 8 + 5 + 2 + 7$
- B $100 + 8 + 5 + 200 + 7$
- C $100 + 80 + 5 + 200 + 70$
- (D) $100 + 80 + 5 + 200 + 7$

14. The principal wanted to know if the school needed to order more pens for teachers. She took an inventory to see how many pens she could find. The table below shows what the principal found:

Pens	Number
Boxes of Pens (100 in each box)	4 boxes
Packs of Pens (10 in each pack)	17 packs
Pens (1 each)	26

How many pens did the principal find?

$$400$$
$$170$$
$$+ \ 26$$
$$\overline{596}$$

- (A) 596
- B 443
- C 433
- D 47

Open Response Questions:

15. Show 2 ways to find the sum: 294 + 418 = _____

Way 1:

+6   +400   +10 +2

294 300   700   710 712

Way 2:

200 90 4
400 10 8
———————
600 + 100 + 12 = 712

294 →+6→ 300
418 →-6→ +412
————
712

16. Charlie is reading a book about our solar system. He is on page 118. If the book has 309 pages, how many more pages does he need to read to finish the book?

Show how this problem can be solved using addition and subtraction. Use an open number line as a tool for one way.

Way 1: Show how you can use addition to solve this problem.

_____ + 118 = 309

100 + 80 + 9 + 2 = 191

+2 +80   +100   +9

118 120   200   300 309

Way 2: Show how you can use subtraction to solve this problem.

309 − 118 =

-9 -9   -100

191 200 209   309

200 100
300   9
100   10   8
——————
100 + 90 + 1 = 191

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