Addition and Subtraction Assessment

AS1 - Place Value

1. Jake had 309 CD's which he wants to put in boxes of one-hundred, containers of ten and packages of one.

    a. How many boxes of one hundred? _____

    b. How many containers of ten? _____

    c. How many packages of one _____

2. Draw a picture of 21 using tens and ones.

3. Fill in the empty blanks on the number line below.

    _|_____|_____|_____|_____|_____|_____|_____

    356 357 _____ _____ _____ _____ _____

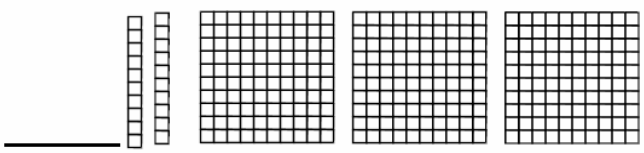
4. Count orally

    a. Count orally by ones beginning with 325. (must count to 350)

    b. Count orally by tens beginning with 429. (must count to 529)

    c. Count backwards by tens beginning with 257. (must count to 147)

5. If this □ equals one, then what number does the picture show?



Addition and Subtraction Assessment

AS2 - Addition and Subtraction Facts

1. Draw a picture for each number sentence.

   a. 10 – 1 = ?

   b. 5 – 5 = ?

   c. 13 – 6 = ?

2. Draw a picture for each number sentence

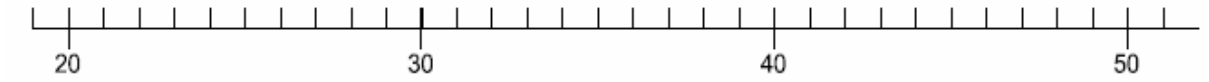
   a. 5 + 1 = ?

   b. 3 + 0 = ?

   c. 6 + 6 = ?

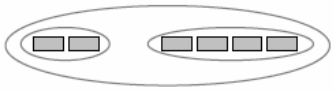
3. Draw on the number line below to show 26 + 17.

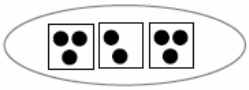
4. Draw on the number line below to show how much larger 43 is than 26.

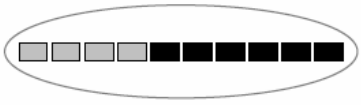


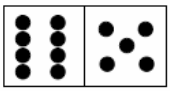
How much larger is 43 than 26? _____

5. Write the addition sentence for each picture.

a.  _____

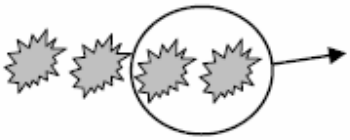
b.  _____

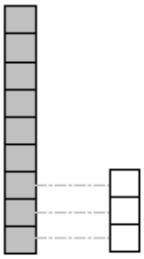
c.  _____

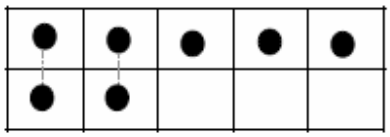
d.  _____

6. Write the subtraction sentence for each picture.

a.

b. 

c. 

d. 

Addition and Subtraction Assessment

AS3 - Column Alignment

Write the following problems in a vertical format. It is not necessary to solve the problems.

1. 305 + 5 + 42 =
2. 428 – 21 =
3. 31 + 142 + 8 =
4. 35 + 1083 + 245 =
5. 4035 – 23 =

Addition and Subtraction Assessment

AS4 - Expanded Notation

Expand the following numbers:

1. 56 _____

2. 306 _____

3. 480 _____

Write the standard form for the following numbers:

4. 200 + 20 + 1 = _____

5. 300 + 5 = _____

Addition and Subtraction Assessment

AS5 - Reading Numbers

These are verbal items. Instructor says: “Read these numbers to me.”

Student responds orally.

1. 502

2. 320

3. 521

4. 3248

5. 2002

Addition and Subtraction Assessment

AS6 – Multi-Digit Addition and Subtraction with NO renaming

Note to teacher: If the student appears to struggle with copying and aligning problems, copy the problems for them to see if they are able to perform the addition and subtraction algorithms. For help with column alignment, see Topic A3.

6. 325 + 132 =	7. 57 – 20 =
8. 463 + 124 =	9. 284 – 173 =
10. 570 + 21 =	11. 86 – 24 =

Addition and Subtraction Assessment

AS7 – Adding Three Numbers

Note to teacher: If the student appears to struggle with copying and aligning problems, copy the problems for them to see if they are able to add three numbers. For help with column alignment, see Topic A3.

12. 4 + 21 + 12 =
13. 4 + 4 + 3 =
14. 14 + 71 + 10 =
15. 21 + 14 + 3 =
16. 1 + 3 + 15 =

Addition and Subtraction Assessment

AS8 – Multi-Digit Addition With Renaming

If the student struggles with column alignment, see Topic A3.

17. 48 + 14 =
18. 258 + 13 =
19. 81 + 187 =
20. 248 + 164 =
21. 305 + 185 =

Addition and Subtraction Assessment

AS9 – Multi-Digit Subtraction With Regrouping

If the student struggles with column alignment, see Topic A3.

22. 46 - 9 =	27. 503 – 87 =
23. 242 - 16 =	28. 700 – 26 =
24. 537 - 87 =	29. 5304 – 418 =
25. 352 - 277 =	30. 2001 – 1453 =
26. 423 - 71 =	31. 1000 – 283 =

Addition and Subtraction Assessment

AS10 – Mixed Addition and Subtraction With and Without Regrouping

Watch as the student solves these problems. If the student is able to answer the problems confidently and accurately, then the student is ready to move on.

32. 382 - 44 =	38. 4023 – 187 =
33. 247 + 315 =	39. 7034+ 12 =
34. 54 – 32 =	40. 905 – 167 =
35. 276 + 8 =	41. 214 + 90 =
36. 438 - 223 =	42. 1014 - 947 =
37. 386 + 35 =	43. 2205 + 6083 =