Use this study guide to help prepare you for your Topic 8 and 9 assessment.
Test date: Tuesday, March 19th

1. What is the sum of 123 + 247 + 108?

478

2. Find a reasonable estimate for the sum of 109 and 168. **Select all that apply.**

- ☐ 100+200=300
- ☐ 150+150=300
- ☐ 110+170=280
- ☐ 105+165=270
- ☐ 120+180=300

3. Estimate the difference of 825 and 213. Explain your estimate.

Nearest ten: 830-210=620
Nearest hundred: 800-200=600

4. Select **all** the equations that are true.

- ☐ 100+170=170+100
- ☐ 0+93=93
- ☐ (100+10)+170=110+(10+170)
- ☐ 32+(4+15)=(32+4)+115
- ☐ 43+0=0

5. Estimate the sum of 320 and 490 by rounding to the nearest hundred. Explain your estimate.

300+500=800
300 is less than 350 so it would round down to 300. 490 is more than 450 so it would round up to 500.

6. Round each number on the left to the nearest hundred. Select the appropriate answer.

	400	700	500	600
732		☐		
555				☐

449				
498				

7. Consider the sum of 224, 187, and 352.

a. Estimate the sum by rounding to the nearest ten.

220+190+350=760

b. Find the actual sum of 224, 187, and 352.

224+187+352=763

8. Consider the equation 372=____+48. Use the bar diagram to represent the equation. Then solve for the unknown value.

372	
324	48

9. Find the sum of 212, 69, and 183.

a. 464
b. 454
c. 364
d. 354

10. What is 219 + 196?

a. 397
b. 405
c. 415
d. 433

11. Find 185+19. Then subtract the sum from 311.

185+19=204
311-204=107

12. Subtract 165 from 300.

a. 85
b. 135
c. 160
d. 465

13. Is 116+88 greater than 164? Explain.

Yes, 116+88=204. 204 > 164

14. Find the difference between 362 and 161.
    a. If you need to regroup to find the difference, explain how to do it. If you do not need to regroup, explain why not.

I do not need to regroup. There are enough ones, tens, and hundreds for me to subtract.

    b. Find the difference.

362-161=201

15. Use place value to subtract 342 from 563. How many times do you have to regroup?
    a. 3
    b. 2
    c. 1
    d. 0

16. What is the difference between 209+198 and 345?

209+198=407
407-345=62