

### Third Grade Test Number & Operations in Base Ten

Name \_\_\_\_\_ Teacher \_\_\_\_\_ Date \_\_\_\_\_

**3.NBT.A.1** Use place value understanding to round whole numbers to the nearest 10 or 100.

**1. Estimate** the sum by **rounding** to the nearest ten.  $74 + 35 =$  \_\_\_\_\_

a. 110

b. 100

c. 120

**2. Estimate** the difference by rounding to the nearest hundred.  $819 - 662 =$  \_\_\_\_\_

a. 500

b. 100

c. 200

**3.NBT.A.2** Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

Choose the sums for the following addition problems.

$$\begin{array}{r} 3. \ 153 \\ + 324 \\ \hline \end{array}$$

a. 477

b. 577

$$\begin{array}{r} 4. \ 338 \\ + 413 \\ \hline \end{array}$$

a. 751

b. 714

$$\begin{array}{r} 5. \ 176 \\ + 796 \\ \hline \end{array}$$

a. 972

b. 862

$$\begin{array}{r} 6. \ 243 \\ 105 \\ + 272 \\ \hline \end{array}$$

a. 610

b. 620

Choose the differences for the following subtraction problems.

$$\begin{array}{r} 7. \ 563 \\ - 125 \\ \hline \end{array}$$

a. 442

b. 438

$$\begin{array}{r} 8. \ 836 \\ - 287 \\ \hline \end{array}$$

a. 549

b. 651

**Response to Math Intervention**  
**Third Grade Number & Operations in Base Ten**

*This test is to be read by the teacher.*

$$\begin{array}{r} 9. \ 406 \\ - 294 \\ \hline \end{array}$$

- a. 112      b. 212

$$\begin{array}{r} 10. \ 600 \\ - 387 \\ \hline \end{array}$$

- a. 387      b. 213

**3.NBT.A.3 Multiply one-digit whole numbers by multiples of 10 in the range 10-90.**

Choose the products for the following multiplication problems.

11.  $2 \times 10 = \underline{\hspace{2cm}}$

- a. 30      b. 20

12.  $30 \times 3 = \underline{\hspace{2cm}}$

- a. 90      b. 30

13.  $4 \times 20 = \underline{\hspace{2cm}}$

- a. 80      b. 800

Solve.

14. Tickets to the county fair cost \$6 for children and \$8 for adults. How much will it cost for 5 adults and 8 children to attend the county fair? Which of the answers is more reasonable when using rounding and mental computation?

a.  $5 \times 10 + 8 \times 5 = \$90$

b.  $6 \times 10 + 10 \times 5 = \$110$

15. Choose the two equations that demonstrate the commutative operation of multiplication 5, 6, and 30.

a.  $6 \times 30 = 180$   
 $30 \times 5 = 150$

b.  $5 \times 6 = 30$   
 $6 \times 5 = 30$

**Answer Key for Third Grade Test**  
**Number & Operations in Base Ten**

<b>Standard</b>	<b>Answer</b>
<b>3.BT.A.1</b>	<b>1. a</b>
	<b>2. b</b>
<b>3.BT.A.2</b>	<b>3. a</b>
	<b>4. a</b>
	<b>5. a</b>
	<b>6. b</b>
	<b>7. b</b>
	<b>8. a</b>
	<b>9. a</b>
	<b>10. b</b>
	<b>11. b</b>
	<b>12. a</b>
<b>3.BT.A.3</b>	<b>13. a</b>
	<b>14. a</b>
	<b>15. b</b>