

NAME Key DATE \_\_\_\_\_

**Math Fluency Summative 3rd Grade Trimester 1 (Part 1)**

**3.NBT.A.2** I can 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.

**Add or Subtract as needed.**

$$\begin{array}{r} 538 \\ + 196 \\ \hline 734 \end{array}$$

$$\begin{array}{r} 699 \\ - 512 \\ \hline 187 \end{array}$$

$$\begin{array}{r} 286 \\ + 476 \\ \hline 762 \end{array}$$

$$\begin{array}{r} 57 \\ - 38 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 708 \\ - 163 \\ \hline 545 \end{array}$$

$$\begin{array}{r} 171 \\ + 809 \\ \hline 980 \end{array}$$

$$\begin{array}{r} 901 \\ - 576 \\ \hline 325 \end{array}$$

$$\begin{array}{r} 96 \\ + 24 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 428 \\ + 196 \\ \hline 624 \end{array}$$

$$\begin{array}{r} 728 \\ - 718 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 485 \\ + 211 \\ \hline 696 \end{array}$$

$$\begin{array}{r} 45 \\ - 13 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 277 \\ - 123 \\ \hline 154 \end{array}$$

$$\begin{array}{r} 376 \\ + 550 \\ \hline 926 \end{array}$$

$$\begin{array}{r} 600 \\ - 456 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 599 \\ + 12 \\ \hline 611 \end{array}$$



**4.NBT.B.4** I can fluently add and subtract multi-digit whole numbers using the standard algorithm.  
(Grade 4 expectations in this domain are limited to whole numbers less than or equal to 1,000,000.)

$$\begin{array}{r} 7751 \\ + 368 \\ \hline 8119 \end{array}$$

$$\begin{array}{r} 5000 \\ - 438 \\ \hline 4562 \end{array}$$

$$\begin{array}{r} 28,560 \\ + 1,748 \\ \hline 30,308 \end{array}$$

$$\begin{array}{r} 63,579 \\ - 1,234 \\ \hline 62,345 \end{array}$$

NAME \_\_\_\_\_

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## Math Fluency Summative 3<sup>rd</sup> Grade Trimester 1 (Part 2)

**3.OA.C.7** I can fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that  $8 \times 5 = 40$ , one knows  $40 \div 5 = 8$ ) or properties of operations.

**By the end of Grade 3, know from memory all products of two one-digit numbers.**

**Multiply.**

$\begin{array}{r} 1 \\ \times 4 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$
$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$	$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$
$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$
$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$
$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$
$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$



**4.NBT.B.5&6** I can multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers. I can find whole-number quotients and remainders with up to four-digit dividends.

$\begin{array}{r} 25 \\ \times 12 \\ \hline 300 \end{array}$	$64 \div 2 =$ 32	$150 \div 5 =$ 30	$248 \div 4 =$ 62	$\begin{array}{r} 100 \\ \times 2 \\ \hline 200 \end{array}$	$900 \div 10 =$ 90
$\begin{array}{r} 10 \\ \times 6 \\ \hline 60 \end{array}$	$100 \div 10 =$ 10	$\begin{array}{r} 30 \\ \times 24 \\ \hline 720 \end{array}$	$\begin{array}{r} 25 \\ \times 9 \\ \hline 225 \end{array}$	$\begin{array}{r} 30 \\ \times 4 \\ \hline 120 \end{array}$	$500 \div 5 =$ 100

NAME Key DATE \_\_\_\_\_

**Math Fluency Summative 3<sup>rd</sup> Grade Trimester 1 (Part 3)**

**3.OA.C.7** I can fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that  $8 \times 5 = 40$ , one knows  $40 \div 5 = 8$ ) or properties of operations. **By the end of Grade 3, know from memory all products of two one-digit numbers.**

**Divide.**

$48 \div 8 = 6$	$60 \div 10 = 6$	$20 \div 4 = 5$	$24 \div 3 = 8$	$32 \div 8 = 4$
$54 \div 6 = 9$	$28 \div 4 = 7$	$63 \div 9 = 7$	$9 \div 1 = 9$	$42 \div 7 = 6$
$70 \div 7 = 10$	$80 \div 10 = 8$	$24 \div 8 = 3$	$24 \div 6 = 4$	$18 \div 6 = 3$
$36 \div 9 = 4$	$7 \div 1 = 7$	$3 \div 3 = 1$	$18 \div 3 = 6$	$36 \div 6 = 6$
$50 \div 5 = 10$	$70 \div 10 = 7$	$16 \div 4 = 4$	$56 \div 7 = 8$	$30 \div 10 = 3$
$35 \div 5 = 7$	$56 \div 7 = 8$	$36 \div 9 = 4$	$10 \div 2 = 5$	$63 \div 7 = 9$
$9 \div 3 = 3$	$25 \div 5 = 5$	$40 \div 4 = 10$	$25 \div 5 = 5$	$64 \div 8 = 8$
$14 \div 2 = 7$	$24 \div 4 = 6$	$15 \div 3 = 5$	$6 \div 2 = 3$	$42 \div 6 = 7$
$18 \div 9 = 2$	$16 \div 8 = 2$	$18 \div 2 = 9$	$12 \div 2 = 6$	$6 \div 1 = 6$



**4.NBT.B.5&6** I can multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers. I can find whole-number quotients and remainders with up to four-digit dividends.

$\begin{array}{r} 30 \\ \times 2 \\ \hline 60 \end{array}$	$104 \div 8 = 13$	$300 \div 5 = 60$	$180 \div 3 = 60$	$\begin{array}{r} 100 \\ \times 3 \\ \hline 300 \end{array}$	$108 \div 9 = 12$
$\begin{array}{r} 50 \\ \times 6 \\ \hline 300 \end{array}$	$800 \div 2 = 400$	$\begin{array}{r} 27 \\ \times 7 \\ \hline 189 \end{array}$	$\begin{array}{r} 20 \\ \times 9 \\ \hline 180 \end{array}$	$\begin{array}{r} 55 \\ \times 8 \\ \hline 440 \end{array}$	$200 \div 10 = 20$