

NAME Key DATE _____

Math Fluency Summative 3rd Grade Trimester 3 (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.

$$\begin{array}{r} 198 \\ + 598 \\ \hline 796 \end{array}$$

$$\begin{array}{r} 654 \\ - 321 \\ \hline 333 \end{array}$$

$$\begin{array}{r} 379 \\ + 463 \\ \hline 842 \end{array}$$

$$\begin{array}{r} 62 \\ - 45 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 305 \\ - 283 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 645 \\ + 246 \\ \hline 891 \end{array}$$

$$\begin{array}{r} 310 \\ - 54 \\ \hline 256 \end{array}$$

$$\begin{array}{r} 23 \\ + 68 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 187 \\ + 336 \\ \hline 513 \end{array}$$

$$\begin{array}{r} 857 \\ - 345 \\ \hline 512 \end{array}$$

$$\begin{array}{r} 654 \\ + 333 \\ \hline 987 \end{array}$$

$$\begin{array}{r} 53 \\ - 41 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 642 \\ - 432 \\ \hline 210 \end{array}$$

$$\begin{array}{r} 423 \\ + 392 \\ \hline 815 \end{array}$$

$$\begin{array}{r} 300 \\ - 178 \\ \hline 122 \end{array}$$

$$\begin{array}{r} 55 \\ + 44 \\ \hline 99 \end{array}$$



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.)

$$\begin{array}{r} 5563 \\ + 573 \\ \hline 6136 \end{array}$$

$$\begin{array}{r} 5000 \\ - 923 \\ \hline 4077 \end{array}$$

$$\begin{array}{r} 21,450 \\ + 97,386 \\ \hline 118,836 \end{array}$$

$$\begin{array}{r} 512,354 \\ - 176,234 \\ \hline 136,120 \end{array}$$

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Math Fluency Summative 3rd Grade Trimester 3 (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.

$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$
$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$
$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$
$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$
$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$	$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$
$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$



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.

$\begin{array}{r} 35 \\ \times 2 \\ \hline 70 \end{array}$	$8181 \div 9 =$ 909	$200 \div 5 =$ 40	$320 \div 8 =$ 40	$\begin{array}{r} 50 \\ \times 25 \\ \hline 1250 \end{array}$	$6010 \div 10 =$ 601
$\begin{array}{r} 25 \\ \times 5 \\ \hline 125 \end{array}$	$100 \div 4 =$ 25	$\begin{array}{r} 27 \\ \times 36 \\ \hline 162 \\ 810 \\ \hline 972 \end{array}$	$\begin{array}{r} 73 \\ \times 9 \\ \hline 657 \end{array}$	$\begin{array}{r} 47 \\ \times 18 \\ \hline 376 \\ 478 \\ \hline 846 \end{array}$	$426 \div 6 =$ 71

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Math Fluency Summative 3rd Grade Trimester 3 (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.

$9 \div 3 = 3$	$30 \div 5 = 6$	$6 \div 1 = 6$	$45 \div 5 = 9$	$24 \div 4 = 6$
$54 \div 6 = 9$	$40 \div 4 = 10$	$24 \div 6 = 4$	$16 \div 4 = 4$	$18 \div 2 = 9$
$56 \div 7 = 8$	$8 \div 8 = 1$	$32 \div 8 = 4$	$20 \div 4 = 5$	$9 \div 1 = 9$
$6 \div 2 = 3$	$18 \div 2 = 9$	$42 \div 7 = 6$	$48 \div 8 = 6$	$15 \div 5 = 3$
$36 \div 9 = 4$	$56 \div 8 = 7$	$35 \div 5 = 7$	$42 \div 6 = 7$	$14 \div 2 = 7$
$20 \div 5 = 4$	$25 \div 5 = 5$	$7 \div 1 = 7$	$24 \div 3 = 8$	$36 \div 4 = 9$
$36 \div 6 = 6$	$28 \div 4 = 7$	$70 \div 10 = 7$	$70 \div 7 = 10$	$63 \div 9 = 7$
$18 \div 9 = 2$	$15 \div 3 = 5$	$35 \div 7 = 5$	$64 \div 8 = 8$	$16 \div 8 = 2$
$18 \div 6 = 3$	$12 \div 6 = 2$	$63 \div 7 = 9$	$24 \div 4 = 6$	$12 \div 2 = 6$



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.

$\begin{array}{r} 60 \\ \times 22 \\ \hline 1320 \end{array}$	$728 \div 2 = 364$	$455 \div 5 = 91$	$123 \div 3 = 41$	$\begin{array}{r} 180 \\ \times 3 \\ \hline 540 \end{array}$	$96 \div 8 = 12$
$\begin{array}{r} 39 \\ \times 7 \\ \hline 273 \end{array}$	$182 \div 7 = 26$	$\begin{array}{r} 840 \\ 336 \\ \hline 1176 \end{array}$	$\begin{array}{r} 14 \\ \times 84 \\ \hline 56 \\ 112 \\ \hline 1176 \end{array}$	$\begin{array}{r} 150 \\ 15 \\ \hline 165 \end{array}$	$1600 \div 4 = 400$