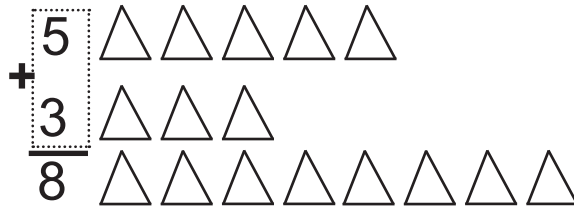


Addition - Method

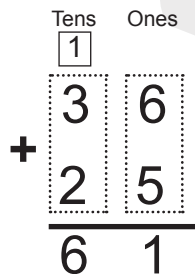
Example:

1) $5 + 3 = 8$



Example:

2) $36 + 25 = 61$



Step-1

$$6 + 5 = 11$$

1 goes in the tens column and the 1 goes below in the ones column

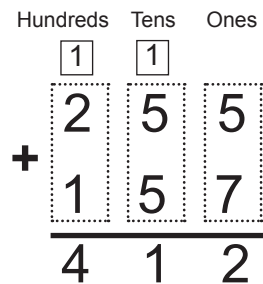
Step-2

$$1 + 3 + 2 = 6$$

6 goes below in the tens column

Example:

3) $255 + 157 = 412$



Step-1

$$5 + 7 = 12$$

1 goes in the tens column and the 2 goes below in the ones column

Step-2

$$1 + 5 + 5 = 11$$

1 goes in the hundreds column and the 1 goes below in the tens column

Step-3

$$1 + 2 + 1 = 4$$

4 goes below in the hundreds column

Addition (+)

Addition is combining two or more numbers together to get a new total

Hint

Order doesn't matter for addition!
 $6 + 7$ is the same as $7 + 6$. They both equal 13 .

Three-Digit Addition

Time : _____

Score : _____

1)
$$\begin{array}{r} 732 \\ + 264 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 451 \\ + 347 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 612 \\ + 325 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 721 \\ + 276 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 832 \\ + 157 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 523 \\ + 436 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 613 \\ + 212 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 732 \\ + 233 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 541 \\ + 146 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 812 \\ + 172 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 423 \\ + 453 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 742 \\ + 134 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 451 \\ + 334 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 631 \\ + 228 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 742 \\ + 227 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 821 \\ + 178 \\ \hline \end{array}$$

17)
$$\begin{array}{r} 643 \\ + 234 \\ \hline \end{array}$$

18)
$$\begin{array}{r} 512 \\ + 346 \\ \hline \end{array}$$

19)
$$\begin{array}{r} 431 \\ + 443 \\ \hline \end{array}$$

20)
$$\begin{array}{r} 742 \\ + 236 \\ \hline \end{array}$$

21)
$$\begin{array}{r} 543 \\ + 453 \\ \hline \end{array}$$

22)
$$\begin{array}{r} 234 \\ + 345 \\ \hline \end{array}$$

23)
$$\begin{array}{r} 345 \\ + 124 \\ \hline \end{array}$$

24)
$$\begin{array}{r} 522 \\ + 333 \\ \hline \end{array}$$

25)
$$\begin{array}{r} 641 \\ + 321 \\ \hline \end{array}$$

Regrouping - Four-Digit Addition

Time : _____

Score : _____

1) $\begin{array}{r} 8762 \\ + 5394 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	2) $\begin{array}{r} 9358 \\ + 4876 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	3) $\begin{array}{r} 6497 \\ + 8254 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	4) $\begin{array}{r} 5824 \\ + 9673 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	5) $\begin{array}{r} 7849 \\ + 6523 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>
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6) $\begin{array}{r} 8967 \\ + 7415 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	7) $\begin{array}{r} 7358 \\ + 9426 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	8) $\begin{array}{r} 8543 \\ + 6937 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	9) $\begin{array}{r} 9634 \\ + 5782 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	10) $\begin{array}{r} 7428 \\ + 8569 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>
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11) $\begin{array}{r} 8925 \\ + 6387 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	12) $\begin{array}{r} 7564 \\ + 9328 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	13) $\begin{array}{r} 8493 \\ + 7624 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	14) $\begin{array}{r} 9784 \\ + 6517 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	15) $\begin{array}{r} 6749 \\ + 8952 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>
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16) $\begin{array}{r} 9327 \\ + 5846 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	17) $\begin{array}{r} 4837 \\ + 2698 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	18) $\begin{array}{r} 7564 \\ + 1879 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	19) $\begin{array}{r} 6423 \\ + 3357 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	20) $\begin{array}{r} 5198 \\ + 3746 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>
--	--	--	--	--

21) $\begin{array}{r} 8232 \\ + 1675 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	22) $\begin{array}{r} 7356 \\ + 2484 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	23) $\begin{array}{r} 4689 \\ + 3278 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	24) $\begin{array}{r} 5217 \\ + 4565 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>	25) $\begin{array}{r} 6593 \\ + 1849 \\ \hline \end{array}$ <input style="width: 100%; height: 20px;" type="text"/>
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$$\begin{array}{r} 1) \ 784 \\ - 329 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 652 \\ - 418 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ 935 \\ - 472 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \ 527 \\ - 359 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \ 614 \\ - 283 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \ 756 \\ - 429 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \ 845 \\ - 326 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \ 971 \\ - 548 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \ 639 \\ - 287 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \ 892 \\ - 475 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \ 764 \\ - 389 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \ 851 \\ - 426 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \ 648 \\ - 273 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \ 732 \\ - 418 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \ 829 \\ - 457 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \ 683 \\ - 294 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \ 508 \\ - 174 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \ 294 \\ - 185 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \ 685 \\ - 538 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \ 861 \\ - 286 \\ \hline \end{array}$$

Chapter 12: Regrouping - Four-Digit Subtraction

Time : _____

Score : _____

1)

$$\begin{array}{r} 7542 \\ - 3681 \\ \hline \end{array}$$

2)

$$\begin{array}{r} 9637 \\ - 4528 \\ \hline \end{array}$$

3)

$$\begin{array}{r} 8126 \\ - 4937 \\ \hline \end{array}$$

4)

$$\begin{array}{r} 9508 \\ - 3746 \\ \hline \end{array}$$

5)

$$\begin{array}{r} 6842 \\ - 2749 \\ \hline \end{array}$$

6)

$$\begin{array}{r} 8935 \\ - 4671 \\ \hline \end{array}$$

7)

$$\begin{array}{r} 7324 \\ - 4956 \\ \hline \end{array}$$

8)

$$\begin{array}{r} 6183 \\ - 3472 \\ \hline \end{array}$$

9)

$$\begin{array}{r} 9057 \\ - 5632 \\ \hline \end{array}$$

10)

$$\begin{array}{r} 7534 \\ - 4918 \\ \hline \end{array}$$

11)

$$\begin{array}{r} 8745 \\ - 5726 \\ \hline \end{array}$$

12)

$$\begin{array}{r} 9382 \\ - 4765 \\ \hline \end{array}$$

13)

$$\begin{array}{r} 7261 \\ - 3914 \\ \hline \end{array}$$

14)

$$\begin{array}{r} 8135 \\ - 4679 \\ \hline \end{array}$$

15)

$$\begin{array}{r} 9843 \\ - 5297 \\ \hline \end{array}$$

16)

$$\begin{array}{r} 7635 \\ - 4189 \\ \hline \end{array}$$

Chapter 15: Two-Digit by Two-Digit Multiplication

Time : _____

Score : _____

$$\begin{array}{r} 1) \quad 24 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 22 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 73 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 87 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 62 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 58 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 31 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 95 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 46 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 72 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 34 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 81 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 42 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 35 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 1) \quad 326 \\ \times \quad 47 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 451 \\ \times \quad 62 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 783 \\ \times \quad 19 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 542 \\ \times \quad 34 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 917 \\ \times \quad 28 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 374 \\ \times \quad 53 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 689 \\ \times \quad 46 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 215 \\ \times \quad 67 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 842 \\ \times \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 319 \\ \times \quad 75 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 623 \\ \times \quad 41 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 178 \\ \times \quad 54 \\ \hline \end{array}$$

Division - Method

Division (\div)

Separating a group of items into an equal number of smaller groups.

Tips

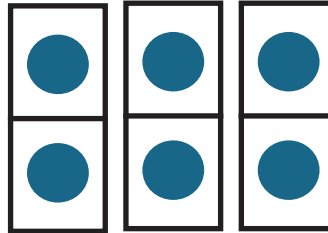
Dividend = Divisor \times Quotient + Remainder

Example

1)

$$\begin{array}{r} 3 \\ 2 \overline{) 6} \\ \underline{-6} \\ 0 \end{array}$$

Labels: Quotient (3), Dividend (6), Divisor (2), Remainder (0)



Example:

2)

$$\begin{array}{r} 122 \\ 2 \overline{) 244} \\ \underline{-2} \\ 04 \\ \underline{-0} \\ 04 \\ \underline{-0} \\ 04 \\ \underline{-0} \\ 0 \end{array}$$

Division by Zero

The division of any number by zero is undefined. In this case, the result can be written as infinity. For example, $23/0 = \infty$, i.e. undefined.

Division Symbols

Division can be represented with \div , $\overline{)}$, slash (/) or a horizontal line (—),

For example, the division of 12 by 2 can be expressed in either of the following ways:

$\rightarrow 12 \div 2 = 6$

$\rightarrow 12/2 = 6$

$\rightarrow \frac{12}{2} = 6$

$\rightarrow 2 \overline{) 12} = 6$

1) $19 \overline{)1843}$ 2) $11 \overline{)7321}$ 3) $18 \overline{)4937}$ 4) $21 \overline{)6124}$

5) $13 \overline{)8453}$ 6) $19 \overline{)5617}$ 7) $27 \overline{)7541}$ 8) $14 \overline{)9046}$

9) $30 \overline{)7325}$ 10) $16 \overline{)4179}$ 11) $13 \overline{)6453}$ 12) $28 \overline{)9672}$

Four-Digit by Two-Digit Division

Time : _____

Score : _____

1) $11 \overline{)5769}$

2) $31 \overline{)7254}$

3) $24 \overline{)8329}$

4) $20 \overline{)5641}$

5) $14 \overline{)6152}$

6) $22 \overline{)8537}$

7) $29 \overline{)9754}$

8) $32 \overline{)7810}$

9) $25 \overline{)6234}$

10) $11 \overline{)8921}$

11) $18 \overline{)5107}$

12) $23 \overline{)7648}$