

Luna's Space Adventure

Name _____

Grade 3 · Adding and subtracting within 1000 · 3.NBT.A.2

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Adding

1 $\begin{array}{r} \square \square \\ 341 \\ + 340 \\ \hline \end{array}$

2 $\begin{array}{r} \square \square \\ 535 \\ + 282 \\ \hline \end{array}$

3 $\begin{array}{r} \square \square \\ 290 \\ + 489 \\ \hline \end{array}$

4 $\begin{array}{r} \square \square \\ 259 \\ + 111 \\ \hline \end{array}$

5 $\begin{array}{r} \square \square \\ 586 \\ + 207 \\ \hline \end{array}$

Subtracting

1 $\begin{array}{r} 976 \\ - 661 \\ \hline \end{array}$

2 $\begin{array}{r} 739 \\ - 323 \\ \hline \end{array}$

3 $\begin{array}{r} 365 \\ - 120 \\ \hline \end{array}$

4 $\begin{array}{r} 912 \\ - 552 \\ \hline \end{array}$

5 $\begin{array}{r} 817 \\ - 383 \\ \hline \end{array}$

Riddle time Solve each one, then use the code to answer the riddle.

What holds the moon up in the sky?

1 $151 + 43 = \square$

2 $683 - 258 = \square$

3 $297 + 128 = \square$

4 $487 + 302 = \square$

5 $536 + 260 = \square$

6 $756 - 588 = \square$

7 $982 - 100 = \square$

8 $501 - 307 = \square$

9 $805 - 681 = \square$

115 = V 124 = S 168 = E 194 = M 425 = O 599 = X

764 = T 789 = N 796 = B 882 = A 967 = J

1 2 3 4 5 6 7 8 9

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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Adding

1	2	3	4	5
$\begin{array}{r} \square \square \\ 341 \\ + 340 \\ \hline \end{array}$	$\begin{array}{r} \overset{1}{\square} \square \\ 535 \\ + 282 \\ \hline \end{array}$	$\begin{array}{r} \overset{1}{\square} \square \\ 290 \\ + 489 \\ \hline \end{array}$	$\begin{array}{r} \square \overset{1}{\square} \\ 259 \\ + 111 \\ \hline \end{array}$	$\begin{array}{r} \square \square \overset{1}{\square} \\ 586 \\ + 207 \\ \hline \end{array}$
681	817	779	370	793

Subtracting

1	2	3	4	5
$\begin{array}{r} 976 \\ - 661 \\ \hline \end{array}$	$\begin{array}{r} 739 \\ - 323 \\ \hline \end{array}$	$\begin{array}{r} 365 \\ - 120 \\ \hline \end{array}$	$\begin{array}{r} 912 \\ - 552 \\ \hline \end{array}$	$\begin{array}{r} 817 \\ - 383 \\ \hline \end{array}$
315	416	245	360	434

Riddle time Solve each one, then use the code to answer the riddle.

What holds the moon up in the sky?

1 $151 + 43 =$ 194	2 $683 - 258 =$ 425	3 $297 + 128 =$ 425
4 $487 + 302 =$ 789	5 $536 + 260 =$ 796	6 $756 - 588 =$ 168
7 $982 - 100 =$ 882	8 $501 - 307 =$ 194	9 $805 - 681 =$ 124

115 = V	124 = S	168 = E	194 = M	425 = O	599 = X
764 = T	789 = N	796 = B	882 = A	967 = J	

M	O	O	N	B	E	A	M	S
1	2	3	4	5	6	7	8	9

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GUIDE

① What this sheet practises

Adding and subtracting numbers up to 1,000 in columns, regrouping when needed.

② A problem from the sheet, worked out

Subtracting

1	2	3	4	5
$\begin{array}{r} 976 \\ - 661 \\ \hline 315 \end{array}$	$\begin{array}{r} 739 \\ - 323 \\ \hline 416 \end{array}$	$\begin{array}{r} 365 \\ - 120 \\ \hline 245 \end{array}$	$\begin{array}{r} 912 \\ - 552 \\ \hline 360 \end{array}$	$\begin{array}{r} 817 \\ - 383 \\ \hline 434 \end{array}$

How: Line up hundreds, tens and ones. Start with the ones. Regroup when a column adds to 10 or more, or when the top digit is smaller than the one below it.

③ Words to know

regroup trade 10 ones for a ten, or a ten for 10 ones

sum the answer to +

difference the answer to -

place value what a digit is worth from where it sits

④ Watch for

- Taking the smaller digit from the bigger one in every column instead of regrouping.
- Forgetting the ten or hundred carried over.
- Digits drifting out of their columns.

⑤ Where it fits

BEFORE

2.NBT.B.7

Add and subtract within 1000 using models and place value.

THIS SHEET

3.NBT.A.2

Add and subtract within 1000.

NEXT

4.NBT.B.4

Add and subtract multi-digit numbers with the standard method.

⑥ Helping at home

Check a subtraction by adding: if $884 - 751 = 133$, then $133 + 751$ should make 884.