

# Lining Up Numbers

## ACTIVITY

When you are adding a line of numbers, it's sometimes hard to know if you have missed a number or made a small mistake.

Toline and Paul have two different ways to check their totals (sums).



**Paul**

I just add the ones digits. If that checks out, the answer is probably right.



**Toline**

I round every number and add to see if the answer is the right size.

To check this total,

$$\begin{array}{r}
 547 \\
 635 \\
 296 \\
 928 \\
 152 \\
 419 \\
 586 \\
 + 871 \\
 \hline
 4\ 434
 \end{array}$$

**Paul** goes:

$$\begin{array}{r}
 -- 7 \\
 -- 5 \\
 -- 6 \\
 -- 8 \\
 -- 2 \\
 -- 9 \\
 -- 6 \\
 -- 1 \\
 \hline
 44
 \end{array}$$

**Toline** goes:

$$\begin{array}{r}
 500 \\
 600 \\
 300 \\
 900 \\
 200 \\
 400 \\
 600 \\
 + 900 \\
 \hline
 4\ 400
 \end{array}$$

1. Check these totals using both Toline's method and Paul's method.

- |    |              |    |              |    |              |    |              |
|----|--------------|----|--------------|----|--------------|----|--------------|
| a. | 549          | b. | 817          | c. | 927          | d. | 999          |
|    | 756          |    | 564          |    | 463          |    | 888          |
|    | 234          |    | 392          |    | 508          |    | 777          |
|    | 613          |    | 474          |    | 296          |    | 666          |
|    | 388          |    | 356          |    | 734          |    | 555          |
|    | 452          |    | 671          |    | 529          |    | 444          |
|    | <u>+ 265</u> |    | <u>+ 928</u> |    | <u>+ 680</u> |    | <u>+ 333</u> |
|    | 3 255        |    | 4 202        |    | 4 537        |    | 4 860        |

2. Which method do you think is best for checking totals? Explain your answer.