

Adding Using Mental Strategies

In Focus

Three pupils try to find the sum of these numbers by adding mentally.



$$2034 + 9$$

$$98 + 4142$$



$$3999 + 2999$$

What methods can they use?

Let's Learn

- 1 Find the sum of 2034 and 9.



$$\begin{array}{l} 2034 + 10 = 2044 \\ 2034 + 9 = 2043 \end{array} \quad \left. \begin{array}{l} \downarrow \\ \downarrow \end{array} \right\} 1 \text{ less}$$

Why is the sum 1 less?

- 2 Add 98 and 4142.



$$\begin{array}{l} 100 + 4142 = 4242 \\ 98 + 4142 = 4240 \end{array} \quad \left. \begin{array}{l} \downarrow \\ \downarrow \end{array} \right\} 2 \text{ less}$$

Why is the sum 2 less?

3

$3999 + 2999 = \square$



$$\begin{array}{l} 4000 + 3000 = 7000 \\ 3999 + 2999 = 6998 \end{array} \quad \begin{array}{l} \curvearrowright \\ \text{2 less} \end{array}$$

Why is the sum 2 less?

Guided Practice

Add mentally.

1

$1276 + 9 = \square$

$1276 + 10 = \square$

2

$97 + 3244 = \square$

$100 + 3244 = \square$

3

$2185 + 499 = \square$

$2185 + 500 = \square$

4

$2799 + 2103 = \square$

2799 is close to \square .

