

Place value: Adding and Subtracting 100 and 1,000

1 Video Questions

$$\begin{array}{r} a \quad 877 \\ + 100 \\ + 100 \\ + 100 \end{array}$$

$$\begin{array}{r} b \quad 1246 \\ - 100 \\ - 100 \\ - 100 \end{array}$$

$$\begin{array}{r} c \quad 8777 \\ + 1000 \\ + 1000 \\ + 1000 \end{array}$$

$$\begin{array}{r} d \quad 11359 \\ - 1000 \\ - 1000 \\ - 1000 \end{array}$$

Place value: Adding and Subtracting 100 and 1,000

2 For each of these numbers, add 100 to the previous one

For example 1 7 7 8

$$+ 100 \text{ } 1 \text{ } 8 \text{ } 7 \text{ } 8$$

$$+ 100 \text{ } 1 \text{ } 9 \text{ } 7 \text{ } 8$$

$$+ 100 \text{ } 2 \text{ } 0 \text{ } 7 \text{ } 8$$

$$+ 100 \text{ } 2 \text{ } 1 \text{ } 7 \text{ } 8$$

a 2 3 3 0

$$+ 100$$

$$+ 100$$

$$+ 100$$

b 4 5 8 2

$$+ 100$$

$$+ 100$$

$$+ 100$$

c 8 7 6 1

$$+ 100$$

$$+ 100$$

$$+ 100$$

$$+ 100$$

3 For each of these numbers, add 1,000 to the previous one

a 5 2 4 6

$$+ 1,000$$

$$+ 1,000$$

$$+ 1,000$$

b 3 6 0 2 6

$$+ 1,000$$

$$+ 1,000$$

$$+ 1,000$$

c 1 8 4 9 2

$$+ 1,000$$

$$+ 1,000$$

$$+ 1,000$$

Place value: Adding and Subtracting 100 and 1,000

4 For each of these numbers, subtract 100 to the previous one

For example 2 7 2 7

$$- 100 \quad 2 \text{ } 6 \text{ } 2 \text{ } 7$$

$$- 100 \quad 2 \text{ } 5 \text{ } 2 \text{ } 7$$

$$- 100 \quad 2 \text{ } 4 \text{ } 2 \text{ } 7$$

$$- 100 \quad 2 \text{ } 3 \text{ } 2 \text{ } 7$$

a 3 9 6 0

$$- 100$$

$$- 100$$

$$- 100$$

b 4 4 5 1

$$- 100$$

$$- 100$$

$$- 100$$

c 7 2 8 3

$$- 100$$

$$- 100$$

$$- 100$$

$$- 100$$

5 For each of these numbers, subtract 1,000 to the previous one

a 6 2 3 6

$$- 1,000$$

$$- 1,000$$

$$- 1,000$$

b 9 6 2 1 1

$$- 1,000$$

$$- 1,000$$

$$- 1,000$$

c 4 2 7 9 1

$$- 1,000$$

$$- 1,000$$

$$- 1,000$$

Place value: Adding and Subtracting 100 and 1,000

6 *Challenge: For each of these numbers, add or subtract the given number from the previous one*

a 9 3 4 8 2 4 4

+ 100

+ 100

+ 100

b 8 4 6 3 2 5 7

- 100

- 100

- 100

c 2 3 7 8 1 9 3

+ 1,000

+ 1,000

+ 1,000

d 4 1 6 0 8 2 5 5

- 1,000

+ 100

- 1,000

e 6 4 2 0 9 1 8 6

+ 1,000

- 100

- 1,000

f 7 1 9 9 0 0 6 5

- 1,000

- 100

+ 1,000

Place value: Adding and Subtracting 100 and 1,000 (Solutions)

2 For each of these numbers, add 100 to the previous one

For example 1 7 7 8

$$+ 100 \quad 1 \ 8 \ 7 \ 8$$

$$+ 100 \quad 1 \ 9 \ 7 \ 8$$

$$+ 100 \quad 2 \ 0 \ 7 \ 8$$

$$+ 100 \quad 2 \ 1 \ 7 \ 8$$

a 2 3 3 0

$$+ 100 \quad 2 \ 4 \ 3 \ 0$$

$$+ 100 \quad 2 \ 5 \ 3 \ 0$$

$$+ 100 \quad 2 \ 6 \ 3 \ 0$$

b 4 5 8 2

$$+ 100 \quad 4 \ 6 \ 8 \ 2$$

$$+ 100 \quad 4 \ 7 \ 8 \ 2$$

$$+ 100 \quad 4 \ 8 \ 8 \ 2$$

c 8 7 6 1

$$+ 100 \quad 8 \ 8 \ 6 \ 1$$

$$+ 100 \quad 8 \ 9 \ 6 \ 1$$

$$+ 100 \quad 9 \ 0 \ 6 \ 1$$

$$+ 100 \quad 9 \ 1 \ 6 \ 1$$

3 For each of these numbers, add 1,000 to the previous one

a 5 2 4 6

$$+ 1,000 \quad 6 \ 2 \ 4 \ 6$$

$$+ 1,000 \quad 7 \ 2 \ 4 \ 6$$

$$+ 1,000 \quad 8 \ 2 \ 4 \ 6$$

b 3 6 0 2 6

$$+ 1,000 \quad 3 \ 7 \ 0 \ 2 \ 6$$

$$+ 1,000 \quad 3 \ 8 \ 0 \ 2 \ 6$$

$$+ 1,000 \quad 3 \ 9 \ 0 \ 2 \ 6$$

c 1 8 4 9 2

$$+ 1,000 \quad 1 \ 9 \ 4 \ 9 \ 2$$

$$+ 1,000 \quad 2 \ 0 \ 4 \ 9 \ 2$$

$$+ 1,000 \quad 2 \ 1 \ 4 \ 9 \ 2$$

Place value: Adding and Subtracting 100 and 1,000 (Solutions)

4 For each of these numbers, subtract 100 to the previous one

For example 2 7 2 7

$$\begin{array}{r} - 100 \\ 2\ 7\ 2\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 2\ 5\ 2\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 2\ 4\ 2\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 2\ 3\ 2\ 7 \\ \hline \end{array}$$

a 3 9 6 0

$$\begin{array}{r} - 100 \\ 3\ 9\ 6\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 3\ 8\ 6\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 3\ 7\ 6\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 3\ 6\ 6\ 0 \\ \hline \end{array}$$

b 4 4 5 1

$$\begin{array}{r} - 100 \\ 4\ 4\ 5\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 4\ 3\ 5\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 4\ 2\ 5\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 4\ 1\ 5\ 1 \\ \hline \end{array}$$

c 7 2 8 3

$$\begin{array}{r} - 100 \\ 7\ 2\ 8\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 7\ 1\ 8\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 7\ 0\ 8\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 6\ 9\ 8\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} - 100 \\ 6\ 8\ 8\ 3 \\ \hline \end{array}$$

5 For each of these numbers, subtract 1,000 to the previous one

a 6 2 3 6

$$\begin{array}{r} - 1,000 \\ 6\ 2\ 3\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 5\ 2\ 3\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 4\ 2\ 3\ 6 \\ \hline \end{array}$$

b 9 6 2 1 1

$$\begin{array}{r} - 1,000 \\ 9\ 6\ 2\ 1\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 9\ 5\ 2\ 1\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 9\ 4\ 2\ 1\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 9\ 3\ 2\ 1\ 1 \\ \hline \end{array}$$

c 4 2 7 9 1

$$\begin{array}{r} - 1,000 \\ 4\ 2\ 7\ 9\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 4\ 1\ 7\ 9\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 4\ 0\ 7\ 9\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 1,000 \\ 3\ 9\ 7\ 9\ 1 \\ \hline \end{array}$$

Place value: Adding and Subtracting 100 and 1,000 (Solutions)

6 *Challenge: For each of these numbers, add or subtract the given number from the previous one*

a 9 3 4 8 2 4 4

+ 100 9 3 4 8 3 4 4

+ 100 9 3 4 8 4 4 4

+ 100 9 3 4 8 5 4 4

b 8 4 6 3 2 5 7

- 100 8 4 6 3 1 5 7

- 100 8 4 6 3 0 5 7

- 100 8 4 6 2 9 5 7

c 2 3 7 8 1 9 3

+ 1,000 2 3 7 9 1 9 3

+ 1,000 2 3 8 0 1 9 3

+ 1,000 2 3 8 1 1 9 3

d 4 1 6 0 8 2 5 5

- 1,000 4 1 6 0 7 2 5 5

+ 100 4 1 6 0 7 3 5 5

- 1,000 4 1 6 0 6 3 5 5

e 6 4 2 0 9 1 8 6

+ 1,000 6 4 2 1 0 1 8 6

- 100 6 4 2 1 0 0 8 6

- 1,000 6 4 2 0 9 1 8 6

f 7 1 9 9 0 0 6 5

- 1,000 7 1 9 8 9 0 6 5

- 100 7 1 9 8 8 9 6 5

+ 1,000 7 1 9 8 9 9 6 5