

# Unit 3 Addition

## Adding 3-digit numbers

What is 348 added to 279?

Write the addition like this.

H	T	U
3	4	8
+	2	7
9		
—		

Step 2

$10 + 40 + 70 = 120$

H	T	U
3	4	8
+	2	7
9		
—		
2		
7		
—		

Step 1

$8 + 9 = 17$

H	T	U
3	4	8
+	2	7
9		
—		
7		
—		

Step 3

$100 + 300 + 200 = 600$

H	T	U
3	4	8
+	2	7
9		
—		
6	2	7
—		

348 added to 279 is 627.

1 Answer these.

a) 
$$\begin{array}{r} 254 \\ + 631 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 326 \\ + 649 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 212 \\ + 489 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 546 \\ + 735 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 703 \\ + 195 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 170 \\ + 343 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 335 \\ + 806 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 824 \\ + 319 \\ \hline \end{array}$$

2 Answer these.

a) A tennis racket costs \$138. How much do two rackets cost?

b) There are 249 children in Ziad's school and 193 children in Kamal's school. How many children are there in total in the two schools?

c) A lorry travels 356 km to collect boxes of vegetables from a farm and 247 km back to the market in the town. How far did the lorry travel in total?

d) Rana scored 509 points on a video game. Hassan scored 618 more points than Rana. How many points did Hassan score?

e) A table cost \$670 and a set of chairs cost \$397. How much is this in total?

f) Akram buys a suit for \$290 and a coat for \$185. How much does he spend altogether?

3 Complete this number puzzle.

a		b		c		d
		e				
f				g		

Across

- a)  $416 + 447$
- c)  $324 + 503$
- e)  $158 + 725$
- f)  $308 + 238$
- g)  $229 + 546$

Down

- a)  $435 + 370$
- b)  $267 + 119$
- c)  $456 + 381$
- d)  $229 + 506$

Try this

Complete these. Write in the digits 1, 2, 3, 4, 5 and 6.

$$\begin{array}{r}
 3 \quad \square \quad 7 \\
 + \quad \square \quad 1 \quad 9 \\
 \hline
 5 \quad 6 \quad \square
 \end{array}$$

$$\begin{array}{r}
 6 \quad 9 \quad \square \\
 + \quad \square \quad 5 \quad 9 \\
 \hline
 8 \quad \square \quad 2
 \end{array}$$

## Adding numbers: renaming

Add together 3492 and 2831.

Always estimate the answer first. This answer is approximately  $3500 + 3000$ , which is 6500.

Write the addition like this.

$$\begin{array}{r} 3492 \\ + 2831 \\ \hline \end{array}$$

### Step 1

$2 + 1 = 3$

$$\begin{array}{r} 3492 \\ + 2831 \\ \hline \quad 3 \end{array}$$

### Step 2

$90 + 30 = 120$

$$\begin{array}{r} 3492 \\ + 2831 \\ \hline \quad 23 \end{array}$$

### Step 3

$100 + 400 + 800 = 1300$

$$\begin{array}{r} 13492 \\ + 2831 \\ \hline \quad 323 \end{array}$$

### Step 4

$1000 + 3000 + 2000 = 6000$

$$\begin{array}{r} 13492 \\ + 2831 \\ \hline 6323 \end{array}$$

1 Answer these.

a) 
$$\begin{array}{r} \text{Th H T U} \\ 5363 \\ + 4264 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} \text{Th H T U} \\ 1723 \\ + 6529 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} \text{Th H T U} \\ 4962 \\ + 4087 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} \text{Th H T U} \\ 1965 \\ + 1172 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} \text{TThTh H T U} \\ 8490 \\ + 4493 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} \text{TThTh H T U} \\ 5091 \\ + 5478 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} \text{TThTh H T U} \\ 26004 \\ + 5589 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} \text{TThTh H T U} \\ 13196 \\ + 8782 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} \text{TThTh H T U} \\ 34722 \\ + 16318 \\ \hline \end{array}$$