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 1
8 + 9 = 17

	H	T	U
	3	^{1}4	8
+	2	7	9
			7

Step 2
10 + 40 + 70 = 120

	H	T	U
	^{1}3	^{1}4	8
+	2	7	9
		2	7

Step 3
100 + 300 + 200 = 600

	H	T	U
	^{1}3	^{1}4	8
+	2	7	9
	6	2	7

348 added to 279 is 627.

1 Answer these.

a)
	2	5	4
+	6	3	1

b)
	3	2	6
+	6	4	9

c)
	2	1	2
+	4	8	9

d)
	5	4	6
+	7	3	5

e)
	7	0	3
+	1	9	5

f)
	1	7	0
+	3	4	3

g)
	3	3	5
+	8	0	6

h)
	8	2	4
+	3	1	9

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? ☐

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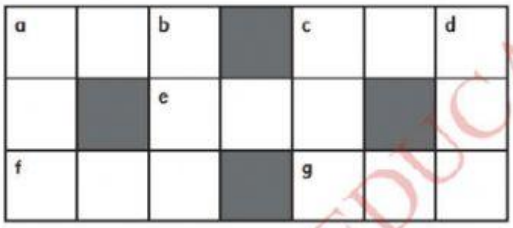
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d) Rana scored 509 points on a video game. Hassan scored 618 more points than Rana. How many points did Hassan score? ☐

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.



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.

$$\begin{array}{r} 3\ \square\ 7 \\ +\ \square\ 1\ 9 \\ \hline 5\ 6\ \square \end{array} \qquad \begin{array}{r} 6\ 9\ \square \\ +\ \square\ 5\ 9 \\ \hline 8\ \square\ 2 \end{array}$$

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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.

$$\begin{array}{r} 3\ 4\ 9\ 2 \\ +\ 2\ 8\ 3\ 1 \\ \hline \\ \hline \end{array}$$

Step 1
2 + 1 = 3

$$\begin{array}{r} 3\ 4\ 9\ 2 \\ +\ 2\ 8\ 3\ 1 \\ \hline 3 \end{array}$$

Step 2
90 + 30 = 120

$$\begin{array}{r} 3\ {}^{1}4\ 9\ 2 \\ +\ 2\ 8\ 3\ 1 \\ \hline 2\ 3 \end{array}$$

Step 3
100 + 400 + 800 = 1300

$$\begin{array}{r} {}^{1}3\ {}^{1}4\ 9\ 2 \\ +\ 2\ 8\ 3\ 1 \\ \hline 3\ 2\ 3 \end{array}$$

Step 4
1000 + 3000 + 2000 = 6000

$$\begin{array}{r} {}^{1}3\ {}^{1}4\ 9\ 2 \\ +\ 2\ 8\ 3\ 1 \\ \hline 6\ 3\ 2\ 3 \end{array}$$

1 Answer these.

a)
$$\begin{array}{rrrr} \text{Th} & \text{H} & \text{T} & \text{U} \\ 5 & 3 & 6 & 3 \\ +4 & 2 & 6 & 4 \\ \hline \\ \hline \end{array}$$

b)
$$\begin{array}{rrrr} \text{Th} & \text{H} & \text{T} & \text{U} \\ 1 & 7 & 2 & 3 \\ +6 & 5 & 2 & 9 \\ \hline \\ \hline \end{array}$$

c)
$$\begin{array}{rrrr} \text{Th} & \text{H} & \text{T} & \text{U} \\ 4 & 9 & 6 & 2 \\ +4 & 0 & 8 & 7 \\ \hline \\ \hline \end{array}$$

d)
$$\begin{array}{rrrr} \text{Th} & \text{H} & \text{T} & \text{U} \\ 1 & 9 & 6 & 5 \\ +1 & 1 & 7 & 2 \\ \hline \\ \hline \end{array}$$

e)
$$\begin{array}{rrrrr} \text{TTh} & \text{Th} & \text{H} & \text{T} & \text{U} \\ & 8 & 4 & 9 & 0 \\ + & 4 & 4 & 9 & 3 \\ \hline \\ \hline \end{array}$$

f)
$$\begin{array}{rrrrr} \text{TTh} & \text{Th} & \text{H} & \text{T} & \text{U} \\ & 5 & 0 & 9 & 1 \\ + & 5 & 4 & 7 & 8 \\ \hline \\ \hline \end{array}$$

g)
$$\begin{array}{rrrrr} \text{TTh} & \text{Th} & \text{H} & \text{T} & \text{U} \\ 2 & 6 & 0 & 0 & 4 \\ + & 5 & 5 & 8 & 9 \\ \hline \\ \hline \end{array}$$

h)
$$\begin{array}{rrrrr} \text{TTh} & \text{Th} & \text{H} & \text{T} & \text{U} \\ 1 & 3 & 1 & 9 & 6 \\ + & 8 & 7 & 8 & 2 \\ \hline \\ \hline \end{array}$$

i)
$$\begin{array}{rrrrr} \text{TTh} & \text{Th} & \text{H} & \text{T} & \text{U} \\ 3 & 4 & 7 & 2 & 2 \\ +1 & 6 & 3 & 1 & 8 \\ \hline \\ \hline \end{array}$$

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