



THE
MATH RIDDLE BOOK
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The Cookie Went to the Doctor

Add to find the sums. Then, solve the riddle by matching the letters to the blank lines below.

E	$\begin{array}{r} 4,567 \\ + 7,123 \\ \hline \end{array}$	I	$\begin{array}{r} 3,213 \\ + 2,099 \\ \hline \end{array}$	A	$\begin{array}{r} 5,678 \\ + 5,421 \\ \hline \end{array}$	R	$\begin{array}{r} 9,542 \\ + 6,543 \\ \hline \end{array}$	S	$\begin{array}{r} 3,212 \\ + 9,018 \\ \hline \end{array}$
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U	$\begin{array}{r} 6,001 \\ + 1,345 \\ \hline \end{array}$	L	$\begin{array}{r} 8,092 \\ + 765 \\ \hline \end{array}$	M	$\begin{array}{r} 2,677 \\ + 5,311 \\ \hline \end{array}$	T	$\begin{array}{r} 9,234 \\ + 6,523 \\ \hline \end{array}$	Y	$\begin{array}{r} 4,338 \\ + 7,234 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

M	$\begin{array}{r} 5,876 \\ + 2,453 \\ \hline \end{array}$	N	$\begin{array}{r} 5,234 \\ + 6,321 \\ \hline \end{array}$	F	$\begin{array}{r} 6,821 \\ + 3,453 \\ \hline \end{array}$	I	$\begin{array}{r} 5,720 \\ + 5,720 \\ \hline \end{array}$	G	$\begin{array}{r} 2,008 \\ + 5,019 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

C	$\begin{array}{r} 1,324 \\ + 4,321 \\ \hline \end{array}$	E	$\begin{array}{r} 9,294 \\ + 6,533 \\ \hline \end{array}$	W	$\begin{array}{r} 5,432 \\ + 2,678 \\ \hline \end{array}$
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Why did the cookie go to the doctor?

$\begin{array}{r} \\ \hline 5,312 \end{array}$	$\begin{array}{r} \\ \hline 15,757 \end{array}$	$\begin{array}{r} \\ \hline 8,110 \end{array}$	$\begin{array}{r} \\ \hline 11,099 \end{array}$	$\begin{array}{r} \\ \hline 12,230 \end{array}$
--	---	--	---	---

$\begin{array}{r} \\ \hline 10,274 \end{array}$	$\begin{array}{r} \\ \hline 15,827 \end{array}$	$\begin{array}{r} \\ \hline 11,690 \end{array}$	$\begin{array}{r} \\ \hline 8,857 \end{array}$	$\begin{array}{r} \\ \hline 11,440 \end{array}$	$\begin{array}{r} \\ \hline 11,555 \end{array}$	$\begin{array}{r} \\ \hline 7,027 \end{array}$
---	---	---	--	---	---	--

$\begin{array}{r} \\ \hline 5,645 \end{array}$	$\begin{array}{r} \\ \hline 16,085 \end{array}$	$\begin{array}{r} \\ \hline 7,346 \end{array}$	$\begin{array}{r} \\ \hline 8,329 \end{array}$	$\begin{array}{r} \\ \hline 7,988 \end{array}$	$\begin{array}{r} \\ \hline 11,572 \end{array}$
--	---	--	--	--	---

The Cookie Went to the Doctor **ANSWER KEY**

Add to find the sums. Then, solve the riddle by matching the letters to the blank lines below.

E	$\begin{array}{r} 4,567 \\ + 7,123 \\ \hline 11,690 \end{array}$	I	$\begin{array}{r} 3,213 \\ + 2,099 \\ \hline 5,312 \end{array}$	A	$\begin{array}{r} 5,678 \\ + 5,421 \\ \hline 11,099 \end{array}$	R	$\begin{array}{r} 9,542 \\ + 6,543 \\ \hline 16,085 \end{array}$	S	$\begin{array}{r} 3,212 \\ + 9,018 \\ \hline 12,230 \end{array}$
---	--	---	---	---	--	---	--	---	--

U	$\begin{array}{r} 6,001 \\ + 1,345 \\ \hline 7,346 \end{array}$	L	$\begin{array}{r} 8,092 \\ + 765 \\ \hline 8,857 \end{array}$	M	$\begin{array}{r} 2,677 \\ + 5,311 \\ \hline 7,988 \end{array}$	T	$\begin{array}{r} 9,234 \\ + 6,523 \\ \hline 15,757 \end{array}$	Y	$\begin{array}{r} 4,338 \\ + 7,234 \\ \hline 11,572 \end{array}$
---	---	---	---	---	---	---	--	---	--

M	$\begin{array}{r} 5,876 \\ + 2,453 \\ \hline 8,329 \end{array}$	N	$\begin{array}{r} 5,234 \\ + 6,321 \\ \hline 11,555 \end{array}$	F	$\begin{array}{r} 6,821 \\ + 3,453 \\ \hline 10,274 \end{array}$	I	$\begin{array}{r} 5,720 \\ + 5,720 \\ \hline 11,440 \end{array}$	G	$\begin{array}{r} 2,008 \\ + 5,019 \\ \hline 7,027 \end{array}$
---	---	---	--	---	--	---	--	---	---

C	$\begin{array}{r} 1,324 \\ + 4,321 \\ \hline 5,645 \end{array}$	E	$\begin{array}{r} 9,294 \\ + 6,533 \\ \hline 15,827 \end{array}$	W	$\begin{array}{r} 5,432 \\ + 2,678 \\ \hline 8,110 \end{array}$
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Why did the cookie go to the doctor?

I	T	W	A	S
5,312	15,757	8,110	11,099	12,230

F	E	E	L	I	N	G
10,274	15,827	11,690	8,857	11,440	11,555	7,027

C	R	U	M	M	Y
5,545	16,085	7,346	8,329	7,988	11,572

Garden Alien

Subtract to find the differences. Then, match the letters to the blank lines below to solve the riddle.

$$\begin{array}{r} A \quad 405 \\ - 189 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 700 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} K \quad 705 \\ - 229 \\ \hline \end{array}$$

$$\begin{array}{r} T \quad 706 \\ - 347 \\ \hline \end{array}$$

$$\begin{array}{r} U \quad 901 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} D \quad 200 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} T \quad 600 \\ - 186 \\ \hline \end{array}$$

$$\begin{array}{r} Y \quad 307 \\ - 89 \\ \hline \end{array}$$

$$\begin{array}{r} O \quad 602 \\ - 317 \\ \hline \end{array}$$

$$\begin{array}{r} R \quad 100 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 506 \\ - 239 \\ \hline \end{array}$$

$$\begin{array}{r} O \quad 723 \\ - 604 \\ \hline \end{array}$$

$$\begin{array}{r} M \quad 508 \\ - 309 \\ \hline \end{array}$$

$$\begin{array}{r} R \quad 400 \\ - 188 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 900 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 101 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} E \quad 300 \\ - 106 \\ \hline \end{array}$$

$$\begin{array}{r} W \quad 204 \\ - 128 \\ \hline \end{array}$$

What did the alien say to the flowers in the garden?

$$\begin{array}{r} \hline 414 \end{array}$$

$$\begin{array}{r} \hline 216 \end{array}$$

$$\begin{array}{r} \hline 476 \end{array}$$

$$\begin{array}{r} \hline 87 \end{array}$$

$$\begin{array}{r} \hline 199 \end{array}$$

$$\begin{array}{r} \hline 891 \end{array}$$

$$\begin{array}{r} \hline 359 \end{array}$$

$$\begin{array}{r} \hline 119 \end{array}$$

$$\begin{array}{r} \hline 218 \end{array}$$

$$\begin{array}{r} \hline 285 \end{array}$$

$$\begin{array}{r} \hline 815 \end{array}$$

$$\begin{array}{r} \hline 212 \end{array}$$

$$\begin{array}{r} \hline 76 \end{array}$$

$$\begin{array}{r} \hline 194 \end{array}$$

$$\begin{array}{r} \hline 267 \end{array}$$

$$\begin{array}{r} \hline 126 \end{array}$$

$$\begin{array}{r} \hline 677 \end{array}$$

$$\begin{array}{r} \hline 51 \end{array}$$

Garden Alien ANSWER KEY

Subtract to find the differences. Then, match the letters to the blanks below to solve the riddle.

A	$\begin{array}{r} 405 \\ - 189 \\ \hline 216 \end{array}$	E	$\begin{array}{r} 700 \\ - 23 \\ \hline 677 \end{array}$	K	$\begin{array}{r} 705 \\ - 229 \\ \hline 476 \end{array}$	T	$\begin{array}{r} 706 \\ - 347 \\ \hline 359 \end{array}$	U	$\begin{array}{r} 901 \\ - 86 \\ \hline 815 \end{array}$
---	---	---	--	---	---	---	---	---	--

D	$\begin{array}{r} 200 \\ - 74 \\ \hline 126 \end{array}$	T	$\begin{array}{r} 600 \\ - 186 \\ \hline 414 \end{array}$	Y	$\begin{array}{r} 307 \\ - 89 \\ \hline 218 \end{array}$	O	$\begin{array}{r} 602 \\ - 317 \\ \hline 285 \end{array}$	R	$\begin{array}{r} 100 \\ - 49 \\ \hline 51 \end{array}$
---	--	---	---	---	--	---	---	---	---

E	$\begin{array}{r} 506 \\ - 239 \\ \hline 267 \end{array}$	O	$\begin{array}{r} 723 \\ - 604 \\ \hline 119 \end{array}$	M	$\begin{array}{r} 508 \\ - 309 \\ \hline 199 \end{array}$	R	$\begin{array}{r} 400 \\ - 188 \\ \hline 212 \end{array}$	E	$\begin{array}{r} 900 \\ - 9 \\ \hline 891 \end{array}$
---	---	---	---	---	---	---	---	---	---

E	$\begin{array}{r} 101 \\ - 14 \\ \hline 87 \end{array}$	E	$\begin{array}{r} 300 \\ - 106 \\ \hline 194 \end{array}$	W	$\begin{array}{r} 204 \\ - 128 \\ \hline 76 \end{array}$
---	---	---	---	---	--

What did the alien say to the flowers in the garden?

T	A	K	E	M	E
414	216	476	87	199	891

T	O	Y	O	U	R
359	119	218	285	815	212

W	E	E	D	E	R	.
76	194	267	126	677	51	

The Girl Who Ate Her Homework

Multiply to find the products. Then, solve the riddle by matching the letters to the blank lines below.

$$\begin{array}{r} T \ 2 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} B \ 9 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} E \ 7 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} E \ 12 \\ \times 11 \\ \hline \end{array} \quad \begin{array}{r} K \ 9 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} C \ 4 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} A \ 2 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} A \ 11 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} D \ 2 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} L \ 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} R \ 5 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} C \ 0 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} U \ 3 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} A \ 12 \\ \times 12 \\ \hline \end{array} \quad \begin{array}{r} S \ 8 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} A \ 5 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} H \ 11 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} E \ 9 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} H \ 6 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} R \ 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} F \ 12 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} E \ 11 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} O \ 4 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} T \ 3 \\ \times 4 \\ \hline \end{array} \quad \begin{array}{r} S \ 8 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} E \ 4 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} W \ 2 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} P \ 11 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} I \ 12 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} T \ 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} C \ 5 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} E \ 7 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} A \ 7 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} I \ 8 \\ \times 9 \\ \hline \end{array} \quad \begin{array}{r} E \ 12 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} E \ 10 \\ \times 7 \\ \hline \end{array} \quad \begin{array}{r} E \ 10 \\ \times 8 \\ \hline \end{array} \quad \begin{array}{r} R \ 2 \\ \times 5 \\ \hline \end{array} \quad \begin{array}{r} H \ 9 \\ \times 6 \\ \hline \end{array} \quad \begin{array}{r} O \ 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} C \ 3 \\ \times 5 \\ \hline \end{array}$$

Why did the girl eat her homework?

$\frac{27}{8}$	$\frac{132}{42}$	$\frac{32}{49}$	$\frac{11}{15}$	$\frac{9}{30}$	$\frac{64}{70}$	$\frac{80}{56}$	$\frac{54}{121}$	$\frac{96}{48}$	$\frac{20}{24}$	$\frac{20}{4}$
$\frac{99}{28}$	$\frac{10}{10}$	$\frac{72}{12}$	$\frac{18}{14}$	$\frac{40}{40}$	$\frac{144}{144}$					
$\frac{88}{108}$	$\frac{7}{7}$	$\frac{25}{25}$	$\frac{55}{55}$	$\frac{16}{16}$	$\frac{84}{84}$	$\frac{0}{0}$	$\frac{45}{45}$	$\frac{36}{36}$	$\frac{63}{63}$	

The Girl Who Ate Her Homework ANSWER KEY

Multiply to find the products. Then, solve the riddle by matching the letters to the blank lines below.

T 2	B 9	E 7	E 12	K 9	C 4	A 2	A 11	D 2	L 8
$\begin{array}{r} \times 4 \\ \hline 8 \end{array}$	$\begin{array}{r} \times 3 \\ \hline 27 \end{array}$	$\begin{array}{r} \times 6 \\ \hline 42 \end{array}$	$\begin{array}{r} \times 11 \\ \hline 132 \end{array}$	$\begin{array}{r} \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 32 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 14 \end{array}$	$\begin{array}{r} \times 1 \\ \hline 11 \end{array}$	$\begin{array}{r} \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} \times 3 \\ \hline 24 \end{array}$

R 5	C 0	U 3	A 12	S 8	A 5	H 11	E 9	H 6	R 7
$\begin{array}{r} \times 4 \\ \hline 20 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 0 \end{array}$	$\begin{array}{r} \times 3 \\ \hline 9 \end{array}$	$\begin{array}{r} \times 12 \\ \hline 144 \end{array}$	$\begin{array}{r} \times 5 \\ \hline 40 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 99 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 63 \end{array}$	$\begin{array}{r} \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 56 \end{array}$

F 12	E 11	O 4	T 3	S 8	E 4	W 2	P 11	I 12	T 11
$\begin{array}{r} \times 7 \\ \hline 84 \end{array}$	$\begin{array}{r} \times 5 \\ \hline 55 \end{array}$	$\begin{array}{r} \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 64 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 28 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 18 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 88 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 108 \end{array}$	$\begin{array}{r} \times 11 \\ \hline 121 \end{array}$

C 5	E 7	A 7	I 8	E 12	E 10	E 10	R 2	H 9	O 8
$\begin{array}{r} \times 5 \\ \hline 25 \end{array}$	$\begin{array}{r} \times 1 \\ \hline 7 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 49 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 72 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} \times 7 \\ \hline 70 \end{array}$	$\begin{array}{r} \times 8 \\ \hline 80 \end{array}$	$\begin{array}{r} \times 5 \\ \hline 10 \end{array}$	$\begin{array}{r} \times 6 \\ \hline 54 \end{array}$	$\begin{array}{r} \times 6 \\ \hline 48 \end{array}$

C 3
$\begin{array}{r} \times 5 \\ \hline 15 \end{array}$

Why did the girl eat her homework?

B	E	C	A	U	S	E	H	E	R	
27	132	32	11	9	64	80	54	96	20	
T	E	A	C	H	E	R	T	O	L	D
8	42	49	15	30	70	56	121	48	24	4
H	E	R	I	T	W	A	S	A		
99	28	10	72	12	18	14	40	144		
P	I	E	C	E	O	F	C	A	K	E
88	108	7	25	55	16	84	0	45	36	63