NAME _____

Lesson 5.4 Dividing through 81 ÷ 9

divisor → $9\overline{)81}$ ← dividend; 9 ← quotient

To check your answer, do the inverse operation.

If 81 ÷ 9 = 9, then 9 × 9 = 81 must be true.

Using the division table, find 81 in the 9 column. The quotient is named at the beginning of the row.

9-column →

quotient →

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

Divide.

	a	b	c	d	e	f
1.	$9\overline{)72}$	$8\overline{)40}$	$8\overline{)24}$	$6\overline{)48}$	$7\overline{)28}$	$6\overline{)36}$
2.	$6\overline{)18}$	$3\overline{)21}$	$7\overline{)49}$	$9\overline{)54}$	$9\overline{)81}$	$4\overline{)32}$
3.	$5\overline{)35}$	$7\overline{)56}$	$9\overline{)18}$	$7\overline{)42}$	$9\overline{)36}$	$7\overline{)28}$
4.	$9\overline{)45}$	$5\overline{)30}$	$4\overline{)12}$	$5\overline{)25}$	$7\overline{)14}$	$9\overline{)0}$
5.	$9\overline{)9}$	$8\overline{)40}$	$8\overline{)48}$	$6\overline{)42}$	$3\overline{)27}$	$4\overline{)28}$

Complete the following.

	a	b	c
6.	$\begin{array}{r} 7 \\ \times\ 5 \\ \hline 35 \end{array}$ so $5\overline{)35}$	$\begin{array}{r} 8 \\ \times\ 8 \\ \hline 64 \end{array}$ so $8\overline{)64}$	$\begin{array}{r} 9 \\ \times\ 6 \\ \hline 54 \end{array}$ so $6\overline{)54}$
7.	$\begin{array}{r} 9 \\ \times\ 4 \\ \hline 36 \end{array}$ so $4\overline{)36}$	$\begin{array}{r} 6 \\ \times\ 4 \\ \hline 24 \end{array}$ so $4\overline{)24}$	$\begin{array}{r} 6 \\ \times\ 8 \\ \hline 48 \end{array}$ so $8\overline{)48}$