1. Each block has a value of 9. Find the value of each row. Then add the rows to find the total.

a. \[6 \times 9 = 54\]

\[
5 \times 9 = 45
\]

\[
1 \times 9 = 9
\]

\[
6 \times 9 = (5 + 1) \times 9
\]

\[
= (5 \times 9) + (1 \times 9)
\]

\[
= 45 + 9
\]

\[
= 54
\]

b. \[7 \times 9 = 63\]

\[
5 \times 9 = 45
\]

\[
2 \times 9 = 18
\]

\[
7 \times 9 = (5 + 2) \times 9
\]

\[
= (5 \times 9) + (2 \times 9)
\]

\[
= 45 + 18
\]

\[
= 63
\]

c. \[8 \times 9 = 72\]

\[
5 \times 9 = 45
\]

\[
3 \times 9 = 27
\]

\[
8 \times 9 = (5 + 3) \times 9
\]

\[
= (5 \times 9) + (3 \times 9)
\]

\[
= 45 + 27
\]

\[
= 72
\]

d. \[9 \times 9 = 81\]

\[
5 \times 9 = 45
\]

\[
4 \times 9 = 36
\]

\[
9 \times 9 = (5 + 4) \times 9
\]

\[
= (5 \times 9) + (4 \times 9)
\]

\[
= 45 + 36
\]

\[
= 81
\]
2. Find the total value of the shaded blocks.

   a. \( 9 \times 6 = 54 \)

   \[ \begin{array}{c}
   6 \\
   \hline
   \end{array} \]

   9 sixes = 10 sixes - 1 six

   = \[ 60 - 6 \]

   = 54

   b. \( 9 \times 7 = 63 \)

   \[ \begin{array}{c}
   7 \\
   \hline
   \end{array} \]

   9 sevens = 10 sevens - 1 seven

   = \[ 70 - 7 \]

   = 63

   c. \( 9 \times 8 = 72 \)

   \[ \begin{array}{c}
   8 \\
   \hline
   \end{array} \]

   9 eights = 10 eights - 1 eight

   = \[ 80 - 8 \]

   = 72

   d. \( 9 \times 9 = 81 \)

   \[ \begin{array}{c}
   9 \\
   \hline
   \end{array} \]

   9 nines = 10 nines - 1 nine

   = \[ 90 - 9 \]

   = 81

3. Matt buys a pack of postage stamps. He counts 9 rows of 4 stamps. He thinks of 10 fours to find the total number of stamps. Show the strategy that Matt might have used to find the total number of stamps.

   \[ \begin{array}{c}
   4 \\
   \hline
   \end{array} \]

   9 fours = 10 fours - 1 four

   \[ 40 - 4 = 36 \]

   Matt bought 360 postage stamps.
4. Match.

- $3 \times 9 \rightarrow 81$
- $9 \times 9 \rightarrow 27$
- $8 \times 9 \rightarrow 36$
- $9 \times 4 \rightarrow 36$
- $2 \times 9 \rightarrow 18$
- $45 \div 9 \rightarrow 5$
- $9 \div 9 \rightarrow 1$
- $90 \div 9 \rightarrow 10$
- $72 \div 9 \rightarrow 8$
- $54 \div 9 \rightarrow 6$