


Name _____

Date _____

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

a. $6 \times 9 = \underline{\quad}$



$5 \times 9 = 45$



$1 \times 9 = \underline{\quad}$

$$\begin{aligned} 6 \times 9 &= (5 + 1) \times 9 \\ &= (5 \times 9) + (1 \times 9) \\ &= 45 + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

b. $7 \times 9 = \underline{\quad}$



$5 \times 9 = 45$



$\underline{\quad} \times 9 = \underline{\quad}$

$$\begin{aligned} 7 \times 9 &= (5 + \underline{\quad}) \times 9 \\ &= (5 \times 9) + (\underline{\quad} \times 9) \\ &= 45 + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

c. $8 \times 9 = \underline{\quad}$



$5 \times 9 = \underline{\quad}$



$\underline{\quad} \times 9 = \underline{\quad}$

$$\begin{aligned} 8 \times 9 &= (5 + \underline{\quad}) \times 9 \\ &= (5 \times 9) + (\underline{\quad} \times \underline{\quad}) \\ &= 45 + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

d. $9 \times 9 = \underline{\quad}$



$5 \times 9 = \underline{\quad}$

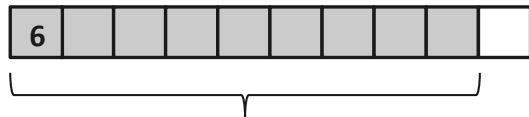


$\underline{\quad} \times 9 = \underline{\quad}$

$$\begin{aligned} 9 \times 9 &= (5 + \underline{\quad}) \times 9 \\ &= (5 \times 9) + (\underline{\quad} \times \underline{\quad}) \\ &= 45 + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

2. Find the total value of the shaded blocks.

a. $9 \times 6 =$

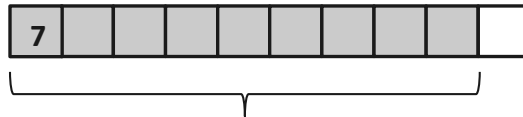


$$9 \text{ sixes} = 10 \text{ sixes} - 1 \text{ six}$$

$$= \underline{\quad} - 6$$

$$= \underline{\quad}$$

b. $9 \times 7 =$

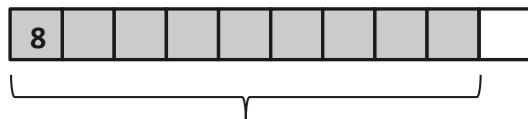


$$9 \text{ sevens} = 10 \text{ sevens} - 1 \text{ seven}$$

$$= \underline{\quad} - 7$$

$$= \underline{\quad}$$

c. $9 \times 8 =$

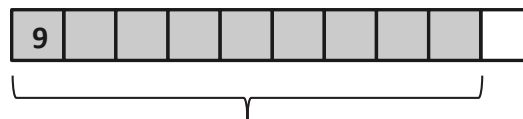


$$9 \text{ eights} = 10 \text{ eights} - 1 \text{ eight}$$

$$= \underline{\quad} - 8$$

$$= \underline{\quad}$$

d. $9 \times 9 =$



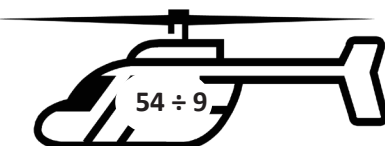
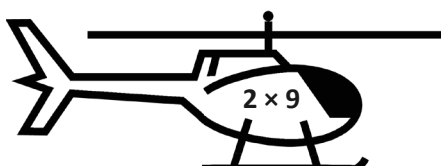
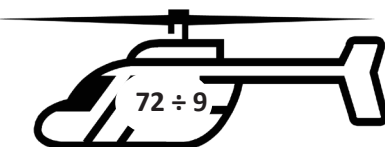
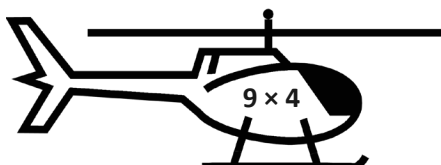
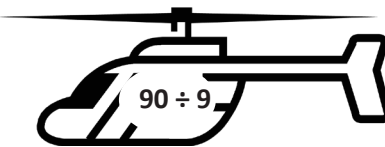
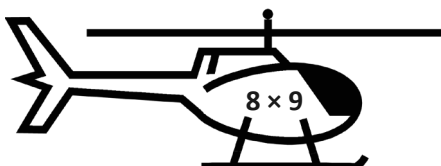
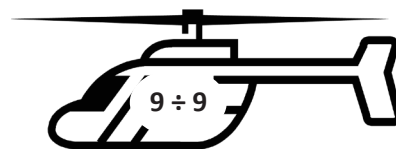
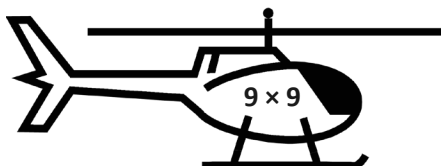
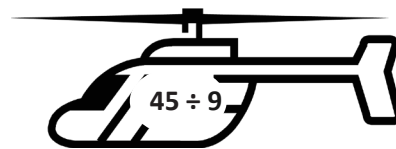
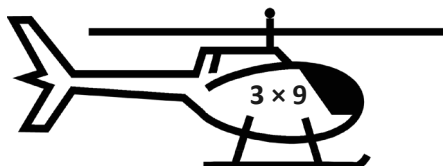
$$9 \text{ nines} = 10 \text{ nines} - 1 \text{ nine}$$

$$= \underline{\quad} - \underline{\quad}$$

$$= \underline{\quad}$$

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.

4. Match.





tape diagram