

TIMES TABLES

A TIMES TABLES

A.1 CALCULATING USING THE TIMES TABLE

$$7 \times 0 = 0$$

$$7 \times 1 = 7$$

$$7 \times 2 = 14$$

$$7 \times 3 = 21$$

$$7 \times 4 = 28$$

Ex 1: Given the times table of 7 $7 \times 5 = 35$,

$$7 \times 6 = 42$$

$$7 \times 7 = 49$$

$$7 \times 8 = 56$$

$$7 \times 9 = 63$$

$$7 \times 10 = 70$$

calculate $7 \times 6 =$ 42

Answer: In the times table of 7, we find

$$7 \times 6 = 42$$

$$4 \times 0 = 0$$

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

Ex 2: Given the time table of 4 $4 \times 5 = 20$,

$$4 \times 6 = 24$$

$$4 \times 7 = 28$$

$$4 \times 8 = 32$$

$$4 \times 9 = 36$$

$$4 \times 10 = 40$$

calculate $4 \times 9 =$ 36

Answer: In the time table of 4, we find

$$4 \times 9 = 36$$

$$8 \times 0 = 0$$

$$8 \times 1 = 8$$

$$8 \times 2 = 16$$

$$8 \times 3 = 24$$

$$8 \times 4 = 32$$

Ex 3: Given the times table of 8 $8 \times 5 = 40$,

$$8 \times 6 = 48$$

$$8 \times 7 = 56$$

$$8 \times 8 = 64$$

$$8 \times 9 = 72$$

$$8 \times 10 = 80$$

calculate $8 \times 7 =$ 56

Answer: In the times table of 8, we find

$$8 \times 7 = 56$$

$$7 \times 0 = 0$$

$$7 \times 1 = 7$$

$$7 \times 2 = 14$$

$$7 \times 3 = 21$$

$$7 \times 4 = 28$$

Ex 4: Given the times table of 7 $7 \times 5 = 35$,

$$7 \times 6 = 42$$

$$7 \times 7 = 49$$

$$7 \times 8 = 56$$

$$7 \times 9 = 63$$

$$7 \times 10 = 70$$

calculate $7 \times 6 =$ 42

Answer: In the times table of 7, we find

$$7 \times 6 = 42$$

$$4 \times 0 = 0$$

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

Ex 5: Given the times table of 4 $4 \times 5 = 20$,

$$4 \times 6 = 24$$

$$4 \times 7 = 28$$

$$4 \times 8 = 32$$

$$4 \times 9 = 36$$

$$4 \times 10 = 40$$

calculate $4 \times 7 =$ 28

Answer: In the times table of 4, we find

$$4 \times 7 = 28$$

B TIMES TABLE OF 2 3 4 5 10

B.1 MULTIPLYING BY 2 3 4 5 10

Ex 6: $2 \times 3 =$ 6

Answer:

- $2 \times 0 = 0$

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$

$$2 \times 4 = 8$$

$$2 \times 5 = 10$$

$$2 \times 6 = 12$$

$$2 \times 7 = 14$$

$$2 \times 8 = 16$$

$$2 \times 9 = 18$$

$$2 \times 10 = 20$$

- $2 \times 3 = 6$

Ex 7: $3 \times 8 = \boxed{24}$

Answer:

- $3 \times 0 = 0$
 $3 \times 1 = 3$
 $3 \times 2 = 6$
 $3 \times 3 = 9$
 $3 \times 4 = 12$
 $3 \times 5 = 15$
 $3 \times 6 = 18$
 $3 \times 7 = 21$
 $3 \times 8 = 24$
 $3 \times 9 = 27$
 $3 \times 10 = 30$
- $3 \times 8 = 24$

Ex 8: $5 \times 8 = \boxed{40}$

Answer:

- $5 \times 0 = 0$
 $5 \times 1 = 5$
 $5 \times 2 = 10$
 $5 \times 3 = 15$
 $5 \times 4 = 20$
 $5 \times 5 = 25$
 $5 \times 6 = 30$
 $5 \times 7 = 35$
 $5 \times 8 = 40$
 $5 \times 9 = 45$
 $5 \times 10 = 50$
- $5 \times 8 = 40$

Ex 9: $4 \times 4 = \boxed{16}$

Answer:

- $4 \times 0 = 0$
 $4 \times 1 = 4$
 $4 \times 2 = 8$
 $4 \times 3 = 12$
 $4 \times 4 = 16$
 $4 \times 5 = 20$
 $4 \times 6 = 24$
 $4 \times 7 = 28$
 $4 \times 8 = 32$
 $4 \times 9 = 36$
 $4 \times 10 = 40$
- $4 \times 4 = 16$

Ex 10: $10 \times 2 = \boxed{20}$

Answer:

- $10 \times 0 = 0$
 $10 \times 1 = 10$
 $10 \times 2 = 20$
 $10 \times 3 = 30$
 $10 \times 4 = 40$
 $10 \times 5 = 50$
 $10 \times 6 = 60$
 $10 \times 7 = 70$
 $10 \times 8 = 80$
 $10 \times 9 = 90$
 $10 \times 10 = 100$
- $10 \times 2 = 20$

Ex 11: $3 \times 5 = \boxed{15}$

Answer:

- $3 \times 0 = 0$
 $3 \times 1 = 3$
 $3 \times 2 = 6$
 $3 \times 3 = 9$
 $3 \times 4 = 12$
 $3 \times 5 = 15$
 $3 \times 6 = 18$
 $3 \times 7 = 21$
 $3 \times 8 = 24$
 $3 \times 9 = 27$
 $3 \times 10 = 30$
- $3 \times 5 = 15$

Ex 12: $4 \times 7 = \boxed{28}$

Answer:

- $4 \times 0 = 0$
 $4 \times 1 = 4$
 $4 \times 2 = 8$
 $4 \times 3 = 12$
 $4 \times 4 = 16$
 $4 \times 5 = 20$
 $4 \times 6 = 24$
 $4 \times 7 = 28$
 $4 \times 8 = 32$
 $4 \times 9 = 36$
 $4 \times 10 = 40$
- $4 \times 7 = 28$

Ex 13: $5 \times 1 = \boxed{5}$

Answer:

- $5 \times 0 = 0$
 $5 \times 1 = 5$
 $5 \times 2 = 10$
 $5 \times 3 = 15$
 $5 \times 4 = 20$
 $5 \times 5 = 25$
 $5 \times 6 = 30$
 $5 \times 7 = 35$
 $5 \times 8 = 40$
 $5 \times 9 = 45$
 $5 \times 10 = 50$

- $5 \times 1 = 5$

Ex 14: $3 \times 7 = \boxed{21}$

Answer:

- $3 \times 0 = 0$
 $3 \times 1 = 3$
 $3 \times 2 = 6$
 $3 \times 3 = 9$
 $3 \times 4 = 12$
 $3 \times 5 = 15$
 $3 \times 6 = 18$
 $3 \times 7 = 21$
 $3 \times 8 = 24$
 $3 \times 9 = 27$
 $3 \times 10 = 30$

- $3 \times 7 = 21$

Ex 15: $2 \times 8 = \boxed{16}$

Answer:

- $2 \times 0 = 0$
 $2 \times 1 = 2$
 $2 \times 2 = 4$
 $2 \times 3 = 6$
 $2 \times 4 = 8$
 $2 \times 5 = 10$
 $2 \times 6 = 12$
 $2 \times 7 = 14$
 $2 \times 8 = 16$
 $2 \times 9 = 18$
 $2 \times 10 = 20$

- $2 \times 8 = 16$

Ex 16: $10 \times 8 = \boxed{80}$

Answer:

- $10 \times 0 = 0$
 $10 \times 1 = 10$
 $10 \times 2 = 20$
 $10 \times 3 = 30$
 $10 \times 4 = 40$
 $10 \times 5 = 50$
 $10 \times 6 = 60$
 $10 \times 7 = 70$
 $10 \times 8 = 80$
 $10 \times 9 = 90$
 $10 \times 10 = 100$

- $10 \times 8 = 80$

Ex 17: $4 \times 6 = \boxed{24}$

Answer:

- $4 \times 0 = 0$
 $4 \times 1 = 4$
 $4 \times 2 = 8$
 $4 \times 3 = 12$
 $4 \times 4 = 16$
 $4 \times 5 = 20$
 $4 \times 6 = 24$
 $4 \times 7 = 28$
 $4 \times 8 = 32$
 $4 \times 9 = 36$
 $4 \times 10 = 40$

- $4 \times 6 = 24$

Ex 18: $2 \times 7 = \boxed{14}$

Answer:

- $2 \times 0 = 0$
 $2 \times 1 = 2$
 $2 \times 2 = 4$
 $2 \times 3 = 6$
 $2 \times 4 = 8$
 $2 \times 5 = 10$
 $2 \times 6 = 12$
 $2 \times 7 = 14$
 $2 \times 8 = 16$
 $2 \times 9 = 18$
 $2 \times 10 = 20$

- $2 \times 7 = 14$

Ex 19: $5 \times 7 = \boxed{35}$

Answer:

- $5 \times 0 = 0$
 $5 \times 1 = 5$
 $5 \times 2 = 10$
 $5 \times 3 = 15$
 $5 \times 4 = 20$
 $5 \times 5 = 25$
 $5 \times 6 = 30$
 $5 \times 7 = 35$
 $5 \times 8 = 40$
 $5 \times 9 = 45$
 $5 \times 10 = 50$
- $5 \times 7 = 35$

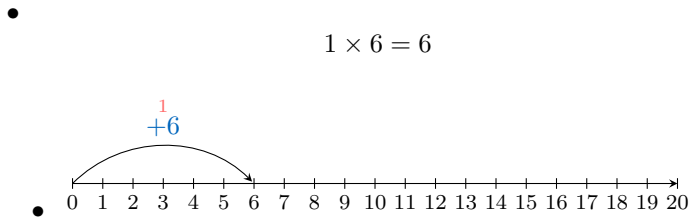
C TIMES TABLE OF 6

C.1 COUNTING BY 6S

Ex 20:

$$1 \times 6 = \boxed{6}$$

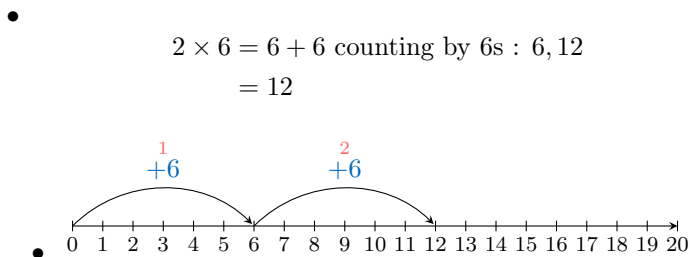
Answer:



Ex 21:

$$2 \times 6 = \boxed{12}$$

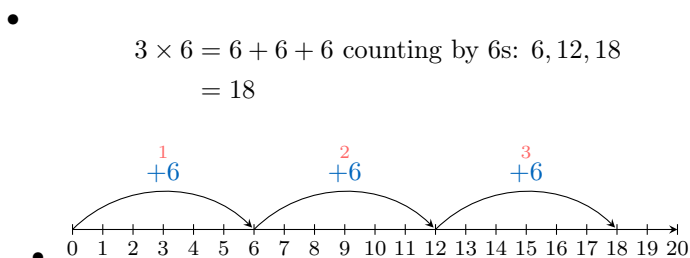
Answer:



Ex 22:

$$3 \times 6 = \boxed{18}$$

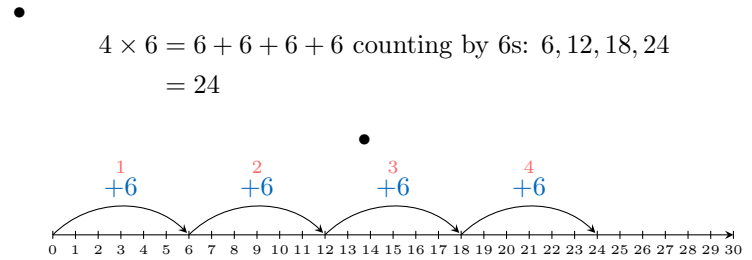
Answer:



Ex 23:

$$4 \times 6 = \boxed{24}$$

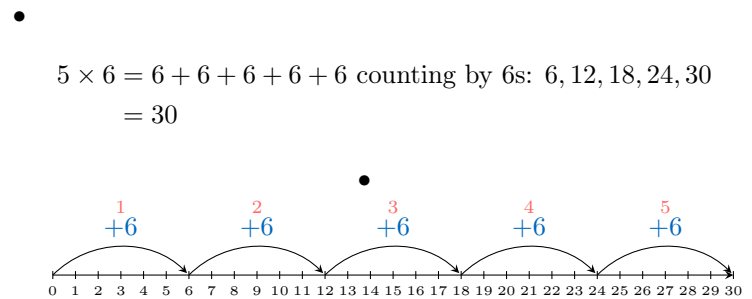
Answer:



Ex 24:

$$5 \times 6 = \boxed{30}$$

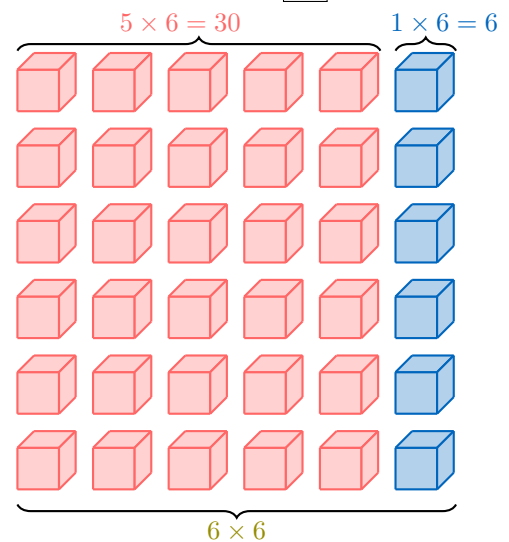
Answer:



C.2 MULTIPLYING BY 6 WITH BREAKING DOWN

Ex 25:

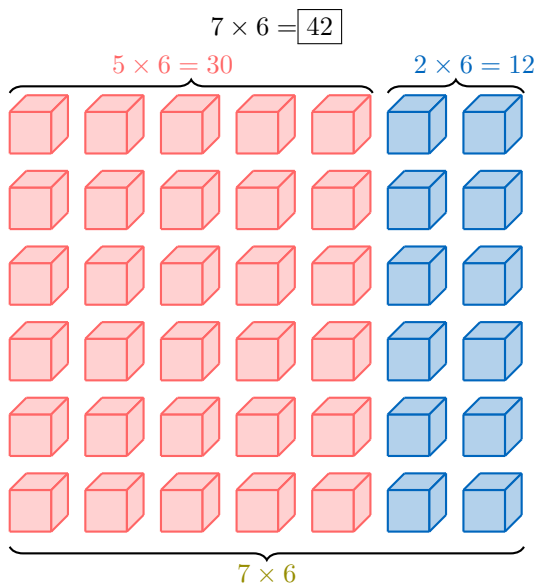
$$6 \times 6 = \boxed{36}$$



Answer:

$$\begin{aligned} 6 \times 6 &= (5 \times 6) + (1 \times 6) \\ &= 30 + 6 \\ &= 36 \end{aligned}$$

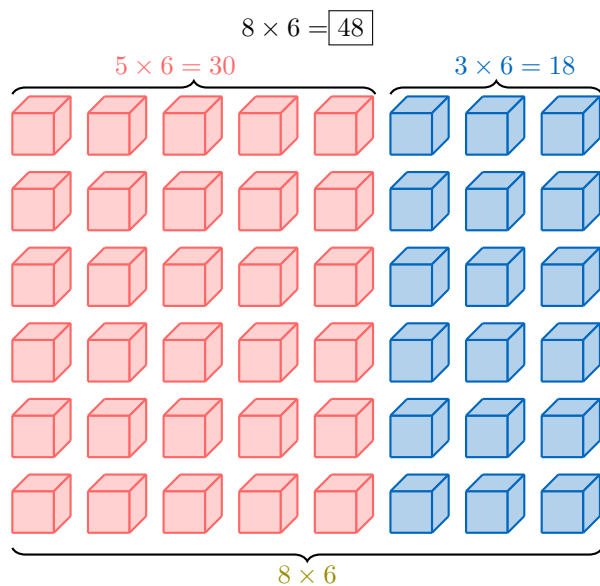
Ex 26:



Answer:

$$\begin{aligned} 7 \times 6 &= (5 \times 6) + (2 \times 6) \\ &= 30 + 12 \\ &= 42 \end{aligned}$$

Ex 27:

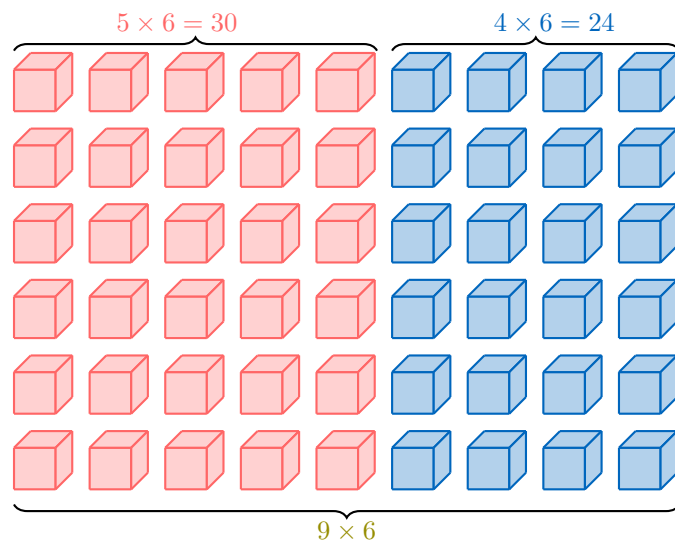


Answer:

$$\begin{aligned} 8 \times 6 &= (5 \times 6) + (3 \times 6) \\ &= 30 + 18 \\ &= 48 \end{aligned}$$

Ex 28:

$$9 \times 6 = \boxed{54}$$



Answer:

$$\begin{aligned} 9 \times 6 &= (5 \times 6) + (4 \times 6) \\ &= 30 + 24 \\ &= 54 \end{aligned}$$

C.3 MULTIPLYING BY 6

Ex 29:

$$6 \times 0 = \boxed{0}$$

Answer:

- $6 \times 0 = 0$
- $6 \times 1 = 6$
- $6 \times 2 = 12$
- $6 \times 3 = 18$
- $6 \times 4 = 24$
- $6 \times 5 = 30$
- $6 \times 6 = 36$
- $6 \times 7 = 42$
- $6 \times 8 = 48$
- $6 \times 9 = 54$
- $6 \times 10 = 60$
- $6 \times 0 = 0$

Ex 30:

$$6 \times 1 = \boxed{6}$$

Answer:

- $6 \times 0 = 0$
- $6 \times 1 = 6$
- $6 \times 2 = 12$
- $6 \times 3 = 18$
- $6 \times 4 = 24$
- $6 \times 5 = 30$
- $6 \times 6 = 36$
- $6 \times 7 = 42$
- $6 \times 8 = 48$
- $6 \times 9 = 54$
- $6 \times 10 = 60$

- $6 \times 1 = 6$

- $6 \times 4 = 24$

Ex 31:

$$6 \times 2 = \boxed{12}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$
- $6 \times 2 = 12$

Ex 34:

$$6 \times 5 = \boxed{30}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$
- $6 \times 5 = 30$

Ex 32:

$$6 \times 3 = \boxed{18}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$
- $6 \times 3 = 18$

Ex 35:

$$6 \times 6 = \boxed{36}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$
- $6 \times 6 = 36$

Ex 33:

$$6 \times 4 = \boxed{24}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$

Ex 36:

$$6 \times 7 = \boxed{42}$$

Answer:

- $6 \times 0 = 0$
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$
 $6 \times 4 = 24$
 $6 \times 5 = 30$
 $6 \times 6 = 36$
 $6 \times 7 = 42$
 $6 \times 8 = 48$
 $6 \times 9 = 54$
 $6 \times 10 = 60$

- $6 \times 7 = 42$

Ex 37:

$6 \times 8 = \boxed{48}$

Answer:

- $6 \times 0 = 0$
- $6 \times 1 = 6$
- $6 \times 2 = 12$
- $6 \times 3 = 18$
- $6 \times 4 = 24$
- $6 \times 5 = 30$
- $6 \times 6 = 36$
- $6 \times 7 = 42$
- $6 \times 8 = 48$
- $6 \times 9 = 54$
- $6 \times 10 = 60$
- $6 \times 8 = 48$

Ex 38:

$6 \times 9 = \boxed{56}$

Answer:

- $6 \times 0 = 0$
- $6 \times 1 = 6$
- $6 \times 2 = 12$
- $6 \times 3 = 18$
- $6 \times 4 = 24$
- $6 \times 5 = 30$
- $6 \times 6 = 36$
- $6 \times 7 = 42$
- $6 \times 8 = 48$
- $6 \times 9 = 54$
- $6 \times 10 = 60$
- $6 \times 9 = 56$

Ex 39:

$6 \times 10 = \boxed{60}$

Answer:

- $6 \times 0 = 0$
- $6 \times 1 = 6$
- $6 \times 2 = 12$
- $6 \times 3 = 18$
- $6 \times 4 = 24$
- $6 \times 5 = 30$
- $6 \times 6 = 36$
- $6 \times 7 = 42$
- $6 \times 8 = 48$
- $6 \times 9 = 54$
- $6 \times 10 = 60$
- $6 \times 10 = 60$

D TIMES TABLE OF 7

D.1 COUNTING BY 7S

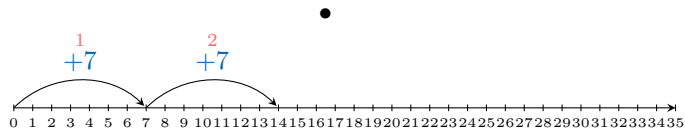
Ex 40:

$2 \times 7 = \boxed{14}$

Answer:

•

$$2 \times 7 = 7 + 7 \text{ counting by 7s: } 7, 14 \\ = 14$$



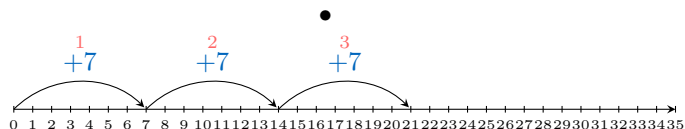
Ex 41:

$3 \times 7 = \boxed{21}$

Answer:

•

$$3 \times 7 = 7 + 7 + 7 \text{ counting by 7s: } 7, 14, 21 \\ = 21$$



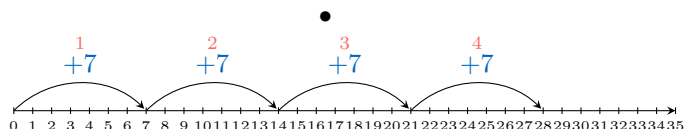
Ex 42:

$4 \times 7 = \boxed{28}$

Answer:

•

$$4 \times 7 = 7 + 7 + 7 + 7 \text{ counting by 7s: } 7, 14, 21, 28 \\ = 28$$



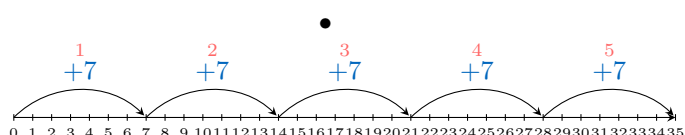
Ex 43:

$5 \times 7 = \boxed{35}$

Answer:

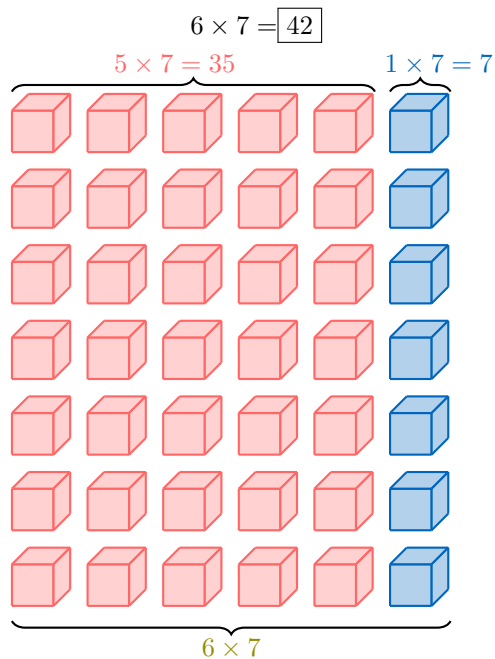
•

$$5 \times 7 = 7 + 7 + 7 + 7 + 7 \text{ counting by 7s: } 7, 14, 21, 28, 35 \\ = 35$$



D.2 MULTIPLYING BY 7 WITH BREAKING DOWN

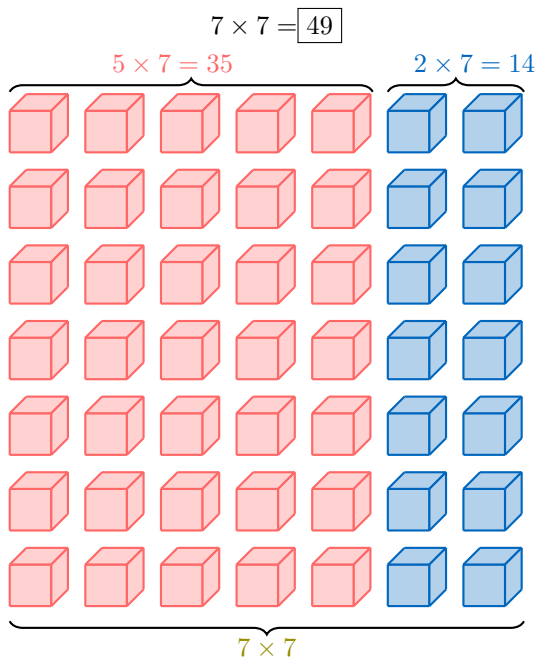
Ex 44:



Answer:

$$\begin{aligned} 6 \times 7 &= (5 \times 7) + (1 \times 7) \\ &= 35 + 7 \\ &= 42 \end{aligned}$$

Ex 45:

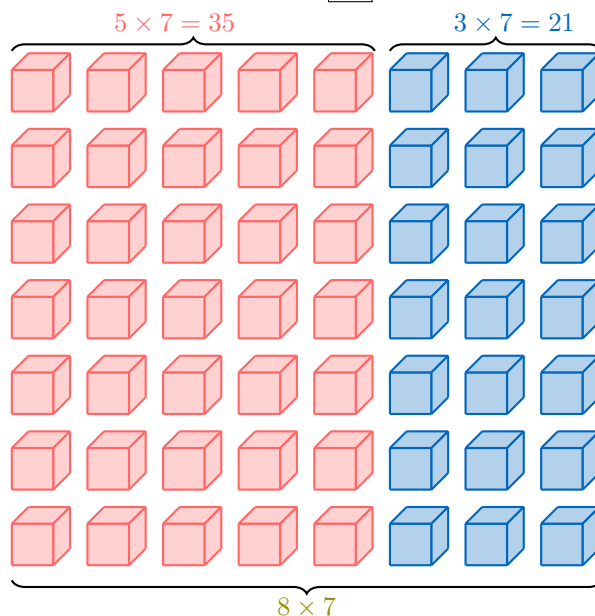


Answer:

$$\begin{aligned} 7 \times 7 &= (5 \times 7) + (2 \times 7) \\ &= 35 + 14 \\ &= 49 \end{aligned}$$

Ex 46:

$$8 \times 7 = \boxed{56}$$



Answer:

$$\begin{aligned} 8 \times 7 &= (5 \times 7) + (3 \times 7) \\ &= 35 + 21 \\ &= 56 \end{aligned}$$

D.3 MULTIPLYING BY 7

Ex 47:

$$7 \times 0 = \boxed{0}$$

Answer:

- $7 \times 0 = 0$
- $7 \times 1 = 7$
- $7 \times 2 = 14$
- $7 \times 3 = 21$
- $7 \times 4 = 28$
- $7 \times 5 = 35$
- $7 \times 6 = 42$
- $7 \times 7 = 49$
- $7 \times 8 = 56$
- $7 \times 9 = 63$
- $7 \times 10 = 70$
- $7 \times 0 = 0$

Ex 48:

$$7 \times 1 = \boxed{7}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 1 = 7$

Ex 49:

$$7 \times 2 = \boxed{14}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 2 = 14$

Ex 50:

$$7 \times 3 = \boxed{21}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 3 = 21$

Ex 51:

$$7 \times 4 = \boxed{28}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 4 = 28$

Ex 52:

$$7 \times 5 = \boxed{35}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 5 = 35$

Ex 53:

$$7 \times 6 = \boxed{42}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 6 = 42$

Ex 54:

$$7 \times 7 = \boxed{49}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 7 = 49$

Ex 55:

$$7 \times 8 = \boxed{56}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 8 = 56$

Ex 56:

$$7 \times 9 = \boxed{63}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 9 = 63$

Ex 57:

$$7 \times 10 = \boxed{70}$$

Answer:

- $7 \times 0 = 0$
 $7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$
- $7 \times 10 = 70$

E TIMES TABLE OF 8

E.1 COUNTING BY 8S

Ex 58:

$$2 \times 8 = \boxed{16}$$

Answer: $2 \times 8 = 8 + 8$ counting by 8s: 8, 16
 $= 16$

Ex 59:

$$3 \times 8 = \boxed{24}$$

Answer: $3 \times 8 = 8 + 8 + 8$ counting by 8s: 8, 16, 24
 $= 24$

Ex 60:

$$4 \times 8 = \boxed{32}$$

Answer: $4 \times 8 = 8 + 8 + 8 + 8$ counting by 8s: 8, 16, 24, 32
 $= 32$

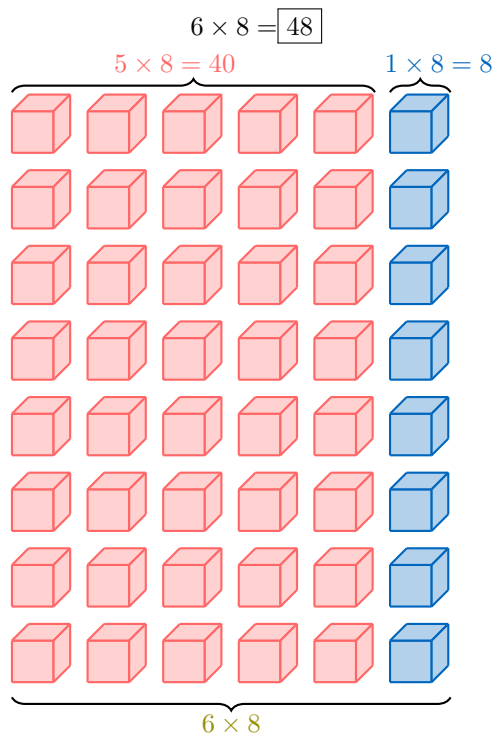
Ex 61:

$$5 \times 8 = \boxed{40}$$

Answer: $5 \times 8 = 8 + 8 + 8 + 8 + 8$ counting by 8s: 8, 16, 24, 32, 40
 $= 40$

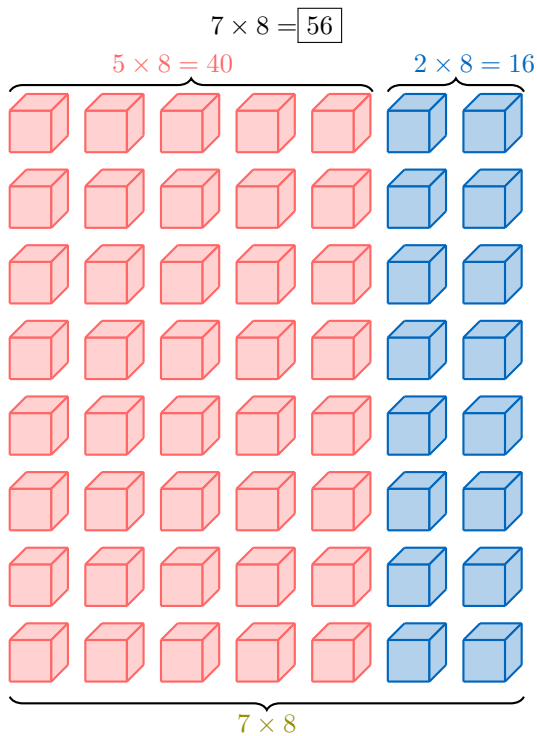
E.2 MULTIPLYING BY 8 WITH BREAKING DOWN

Ex 62:



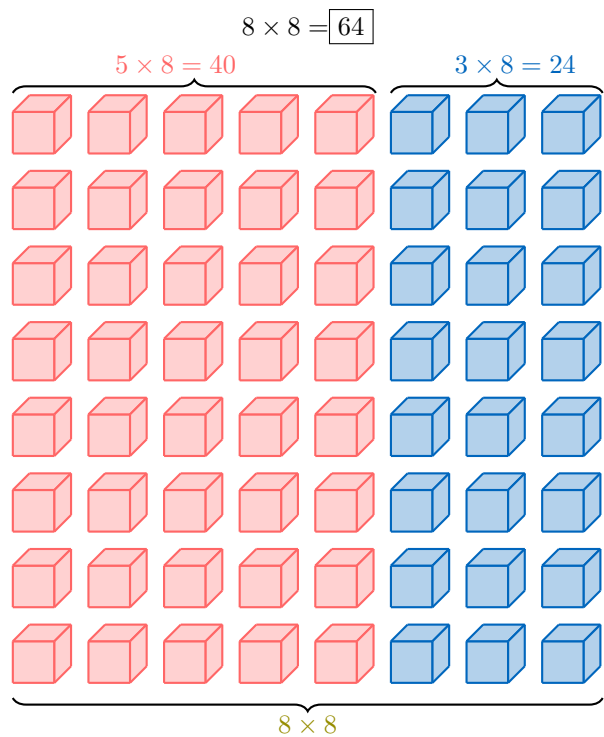
Answer: $6 \times 8 = (5 \times 8) + (1 \times 8)$
 $= 40 + 8$
 $= 48$

Ex 63:



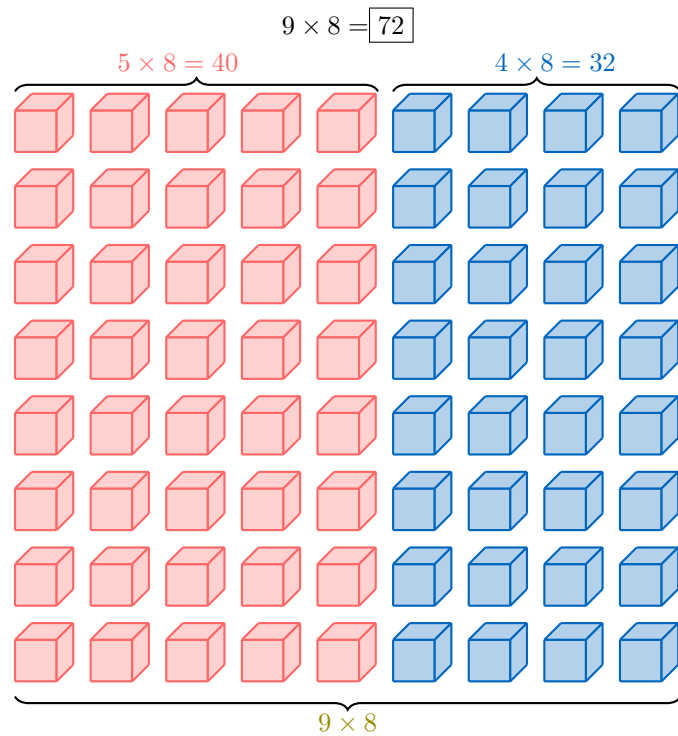
Answer: $7 \times 8 = (5 \times 8) + (2 \times 8)$
 $= 40 + 16$
 $= 56$

Ex 64:



Answer: $8 \times 8 = (5 \times 8) + (3 \times 8)$
 $= 40 + 24$
 $= 64$

Ex 65:



Answer: $9 \times 8 = (5 \times 8) + (4 \times 8)$
 $= 40 + 32$
 $= 72$

E.3 MULTIPLYING BY 8

Ex 66:

$8 \times 0 = \boxed{0}$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 0 = 0$

Ex 67:

$$8 \times 2 = \boxed{16}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 2 = 16$

Ex 68:

$$8 \times 1 = \boxed{8}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 1 = 8$

Ex 69:

$$8 \times 3 = \boxed{24}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 3 = 24$

Ex 70:

$$8 \times 5 = \boxed{40}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 5 = 40$

Ex 71:

$$8 \times 4 = \boxed{32}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 4 = 32$

Ex 72:

$$8 \times 7 = \boxed{56}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 7 = 56$

Ex 73:

$$8 \times 6 = \boxed{48}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 6 = 48$

Ex 74:

$$8 \times 8 = \boxed{64}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$

- $8 \times 8 = 64$

Ex 75:

$$8 \times 9 = \boxed{72}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 9 = 72$

Ex 76:

$$8 \times 10 = \boxed{80}$$

Answer:

- $8 \times 0 = 0$
 $8 \times 1 = 8$
 $8 \times 2 = 16$
 $8 \times 3 = 24$
 $8 \times 4 = 32$
 $8 \times 5 = 40$
 $8 \times 6 = 48$
 $8 \times 7 = 56$
 $8 \times 8 = 64$
 $8 \times 9 = 72$
 $8 \times 10 = 80$
- $8 \times 10 = 80$

F TIMES TABLE OF 9

F.1 COUNTING BY 9S

Ex 77:

$$2 \times 9 = \boxed{18}$$

Answer: $2 \times 9 = 9 + 9$ counting by 9s: 9, 18
 $= 18$

Ex 78:

$$3 \times 9 = \boxed{27}$$

Answer: $3 \times 9 = 9 + 9 + 9$ counting by 9s: 9, 18, 27
 $= 27$

Ex 79:

$$4 \times 9 = \boxed{36}$$

Answer: $4 \times 9 = 9 + 9 + 9 + 9$ counting by 9s: 9, 18, 27, 36
 $= 36$

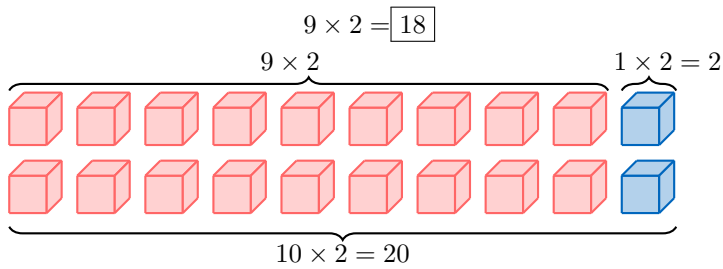
Ex 80:

$$5 \times 9 = \boxed{45}$$

Answer: $5 \times 9 = 9 + 9 + 9 + 9 + 9$ counting by 9s: 9, 18, 27, 36, 45
 $= 45$

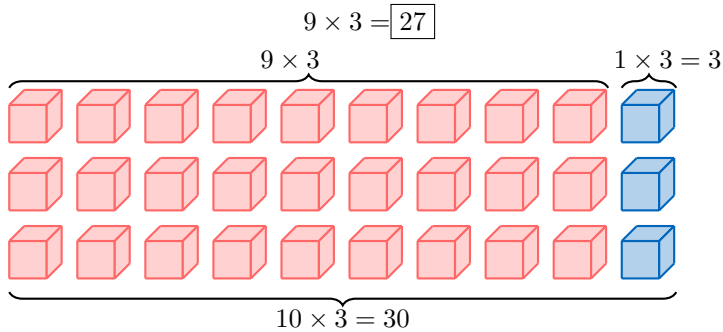
F.2 MULTIPLYING BY 9 WITH BREAKING DOWN

Ex 81:



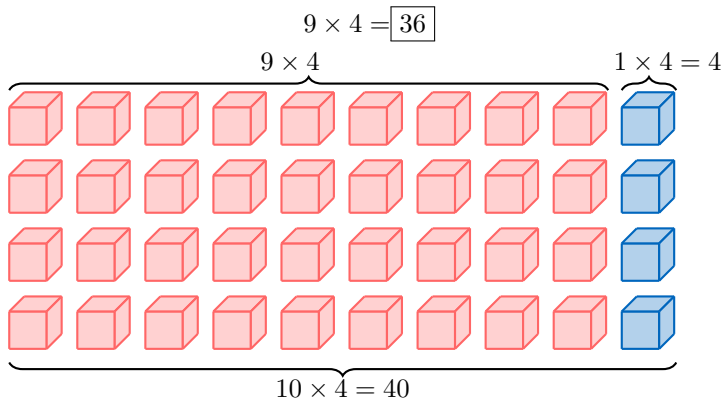
Answer: $9 \times 2 = (10 \times 2) - (1 \times 2)$
 $= 20 - 2$
 $= 18$

Ex 82:



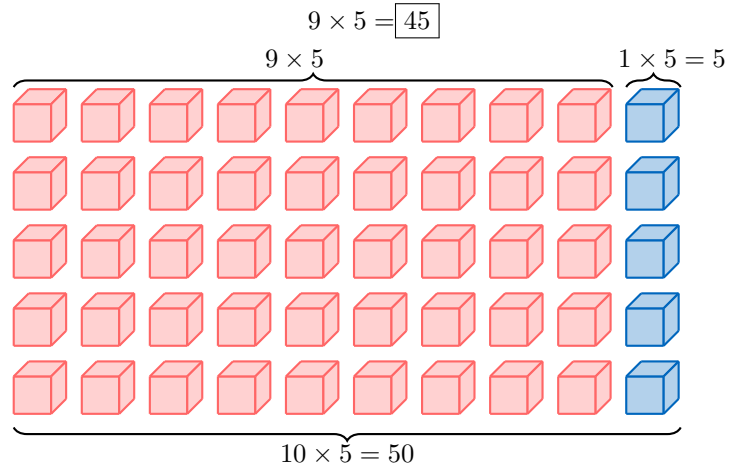
Answer: $9 \times 3 = (10 \times 3) - (1 \times 3)$
 $= 30 - 3$
 $= 27$

Ex 83:



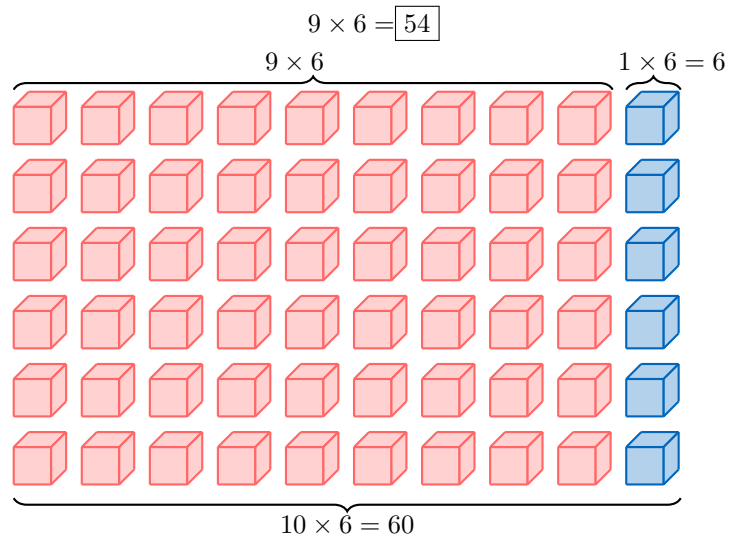
Answer: $9 \times 4 = (10 \times 4) - (1 \times 4)$
 $= 40 - 4$
 $= 36$

Ex 84:



Answer: $9 \times 5 = (10 \times 5) - (1 \times 5)$
 $= 50 - 5$
 $= 45$

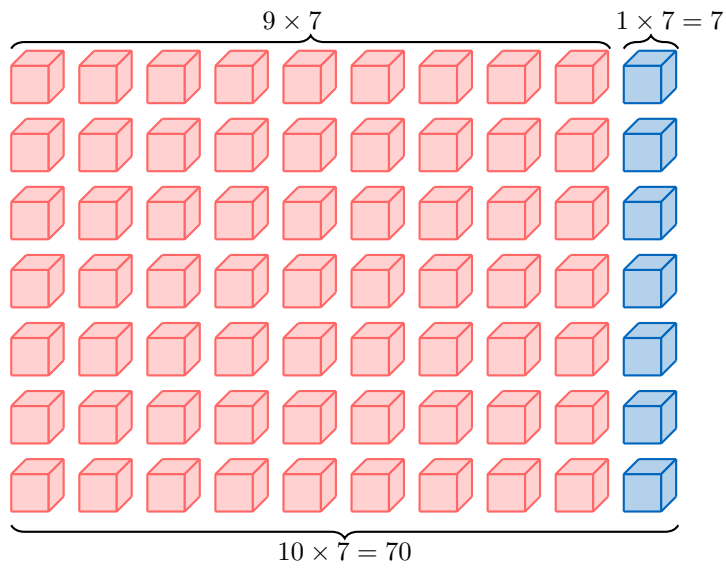
Ex 85:



Answer: $9 \times 6 = (10 \times 6) - (1 \times 6)$
 $= 60 - 6$
 $= 54$

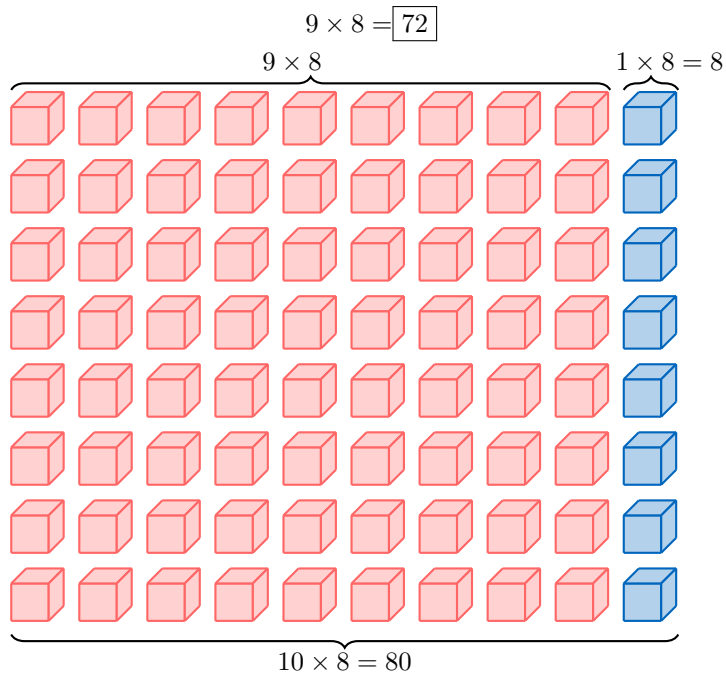
Ex 86:

$$9 \times 7 = \boxed{63}$$



Answer: $9 \times 7 = (10 \times 7) - (1 \times 7)$
 $= 70 - 7$
 $= 63$

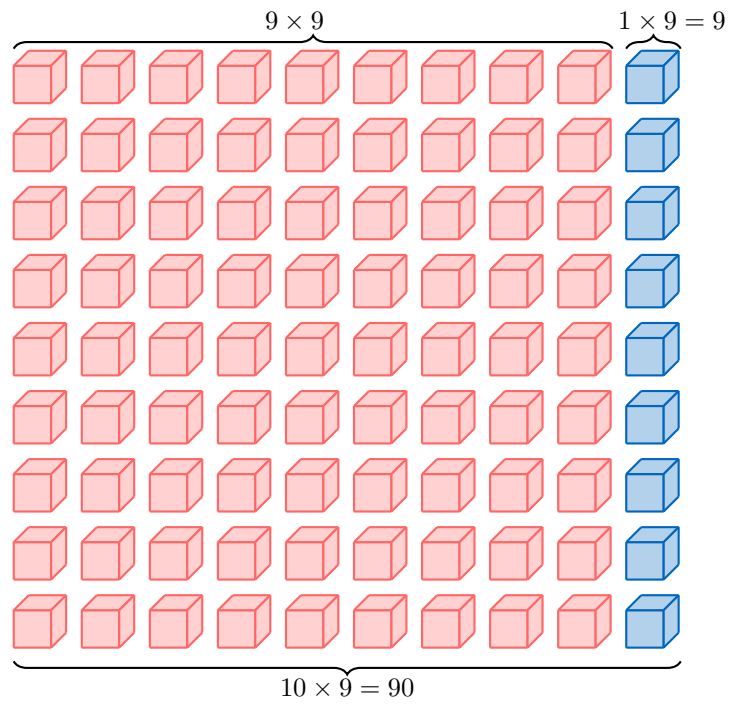
Ex 87:



Answer: $9 \times 8 = (10 \times 8) - (1 \times 8)$
 $= 80 - 8$
 $= 72$

Ex 88:

$9 \times 9 = 81$



Answer: $9 \times 9 = (10 \times 9) - (1 \times 9)$
 $= 90 - 9$
 $= 81$

F.3 MULTIPLYING BY 9

Ex 89:

$9 \times 0 = 0$

Answer:

- $9 \times 0 = 0$
- $9 \times 1 = 9$
- $9 \times 2 = 18$
- $9 \times 3 = 27$
- $9 \times 4 = 36$
- $9 \times 5 = 45$
- $9 \times 6 = 54$
- $9 \times 7 = 63$
- $9 \times 8 = 72$
- $9 \times 9 = 81$
- $9 \times 10 = 90$

- $9 \times 0 = 0$

Ex 90:

$9 \times 1 = 9$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 1 = 9$

Ex 91:

$$9 \times 2 = \boxed{18}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 2 = 18$

Ex 92:

$$9 \times 4 = \boxed{36}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 4 = 36$

Ex 93:

$$9 \times 6 = \boxed{54}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 6 = 54$

Ex 94:

$$9 \times 3 = \boxed{27}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 3 = 27$

Ex 95:

$$9 \times 5 = \boxed{45}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 5 = 45$

Ex 96:

$$9 \times 7 = \boxed{63}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 7 = 63$

Ex 97:

$$9 \times 10 = \boxed{90}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 10 = 90$

Ex 98:

$$9 \times 8 = \boxed{72}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 8 = 72$

Ex 99:

$$9 \times 9 = \boxed{81}$$

Answer:

- $9 \times 0 = 0$
 $9 \times 1 = 9$
 $9 \times 2 = 18$
 $9 \times 3 = 27$
 $9 \times 4 = 36$
 $9 \times 5 = 45$
 $9 \times 6 = 54$
 $9 \times 7 = 63$
 $9 \times 8 = 72$
 $9 \times 9 = 81$
 $9 \times 10 = 90$
- $9 \times 9 = 81$

G TIMES TABLES FROM 1 TO 10

G.1 MULTIPLYING BY 1 TO 10

Ex 100:

$$6 \times 4 = \boxed{34}$$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

- $6 \times 4 = 24$

Ex 101:

$$9 \times 3 = \boxed{27}$$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

• $9 \times 3 = 27$

Ex 102:

$8 \times 7 = \boxed{56}$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

• $8 \times 7 = 56$

Ex 103:

$5 \times 7 = \boxed{35}$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

• $5 \times 7 = 35$

Ex 104:

$8 \times 6 = \boxed{48}$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

• $8 \times 6 = 48$

Ex 105:

$6 \times 9 = \boxed{54}$

Answer:

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

• $6 \times 9 = 54$