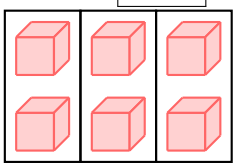
MULTIPLICATION

A DEFINITIONS

A.1 CALCULATING MULTIPLICATIONS USING CUBES

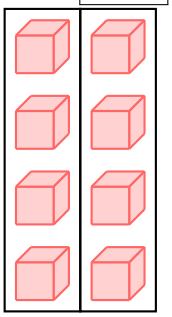
Ex 1:

$3 \times 2 =$ ☐



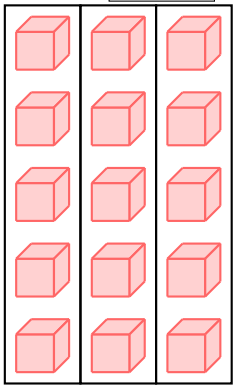
Ex 2:

$2 \times 4 =$ ☐



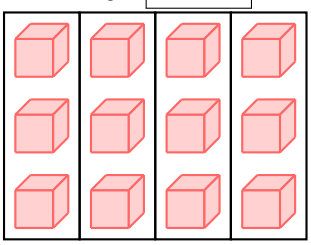
Ex 3:

$3 \times 5 =$ ☐



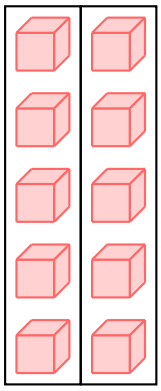
Ex 4:

$4 \times 3 =$ ☐



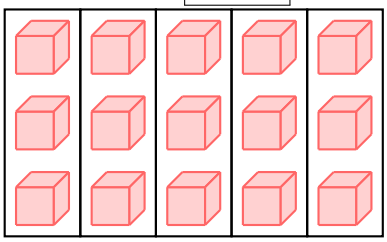
Ex 5:

$2 \times 5 =$ ☐



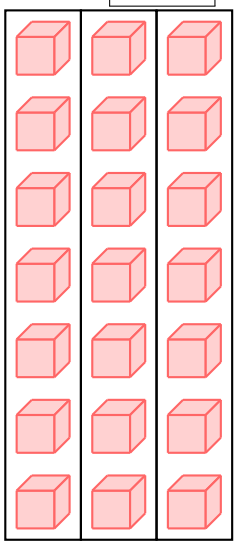
Ex 6:

$5 \times 3 =$ ☐



Ex 7:

$3 \times 7 =$ ☐



A.2 FINDING THE REPEATED ADDITIONS

Ex 8:

$5 + 5 + 5 =$ ☐ $\times 5$

Ex 9:

$2 + 2 + 2 + 2 =$ ☐ $\times 2$

Ex 10:

$3 + 3 + 3 =$ ☐ $\times 3$

Ex 11:

$9 + 9 + 9 + 9 + 9 =$ ☐ $\times 9$

B IN NUMBER LINE

B.1 CALCULATING MULTIPLICATIONS USING NUMBER LINE

Ex 12:

$3 \times 2 =$ ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ex 13:

$2 \times 5 =$ ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ex 14:

$3 \times 6 =$ ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ex 15:

$2 \times 7 =$ ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ex 16:

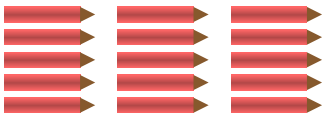
$4 \times 5 =$ ☐

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

C REPRESENTATION OF MULTIPLICATION IN WORD PROBLEMS

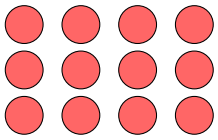
C.1 SOLVING REAL-WORLD PROBLEMS WITH DRAWING

Ex 17: Hugo has three boxes of pencils. Each box has 5 pencils.



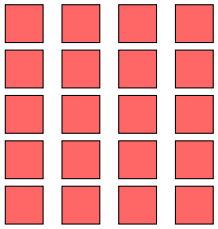
Hugo has ☐ pencils in total.

Ex 18: Su has four boxes of marbles. Each box has 3 marbles.



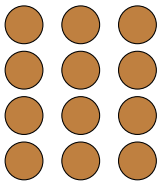
Su has ☐ marbles in total.

Ex 19: Louis has four containers of Lego bricks. Each container has 5 Lego bricks.



Louis has ☐ Lego bricks in total.

Ex 20: Alice has three jars of cookies. Each jar has 4 cookies.



Alice has ☐ cookies in total.

C.2 SOLVING REAL-WORLD PROBLEMS

Ex 21: Larbi is building toy cars for a school project. He can build 5 toy cars each day. If he works for 3 days, how many toy cars will he have in total?
Larbi will have ☐ toy cars.

Ex 22: A school is buying notebooks for its students. Each student needs 2 notebooks. If there are 6 students, how many notebooks does the school need to buy?
The school needs to buy ☐ notebooks.

Ex 23: Emma has 3 boxes of eggs. Each box contains 6 eggs. How many eggs does Emma have in total?
Emma has ☐ eggs.

Ex 24: There are 5 people. Each person has 2 eyes.
How many eyes are there in total?
There are ☐ eyes.

D COMMUTATIVE

D.1 PLAYING WITH THE ORDER OF MULTIPLICATION

Ex 25:

$10 \times 2 =$ ☐

Ex 26:

$10 \times 3 =$ ☐

Ex 27:

$15 \times 2 =$ ☐

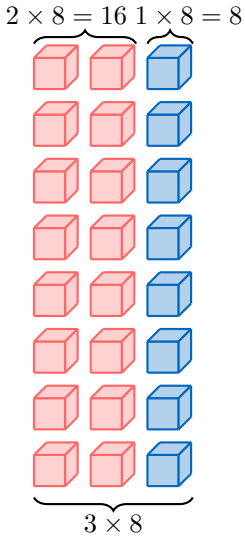
Ex 28:

$100 \times 2 =$ ☐

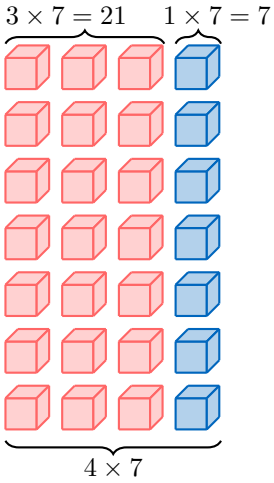
E DISTRIBUTIVE WITH ADDITION

E.1 BREAKING DOWN AT LEFT

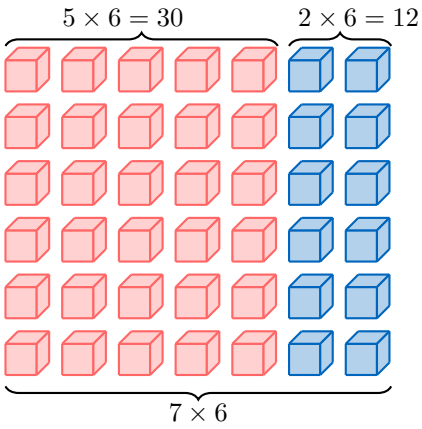
Ex 29: $3 \times 8 =$ ☐ + ☐



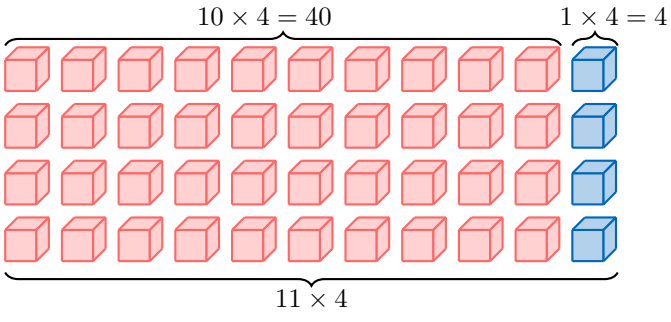
Ex 30: $4 \times 7 =$ ☐ + ☐



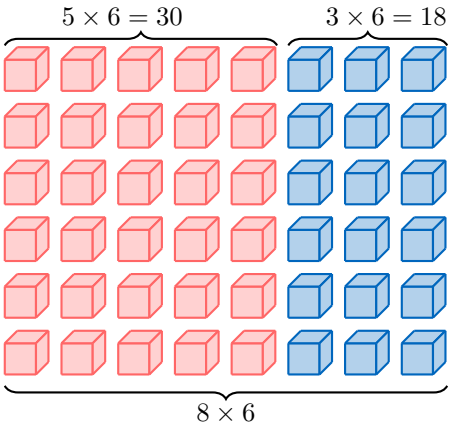
Ex 31: $7 \times 6 =$ ☐ + ☐



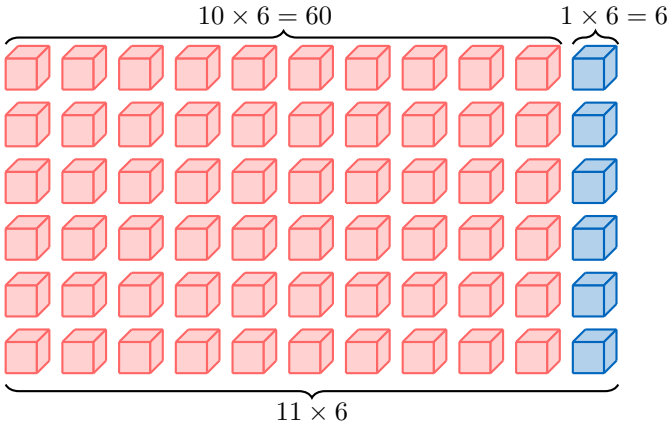
Ex 32: $11 \times 4 =$ ☐ + ☐



Ex 33: $8 \times 6 =$ ☐ + ☐

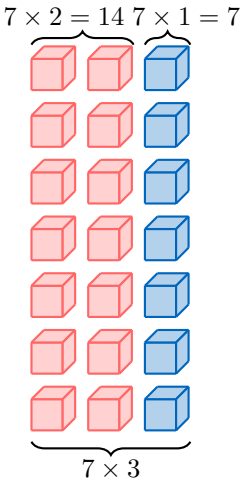


Ex 34: $11 \times 6 =$ ☐ + ☐

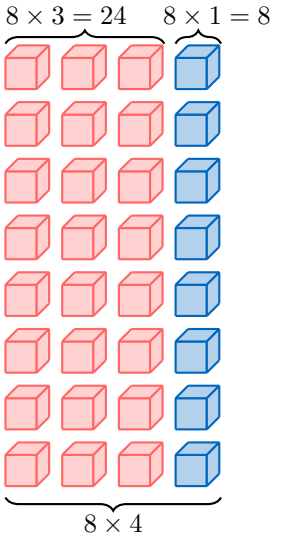


E.2 BREAKING DOWN AT RIGHT

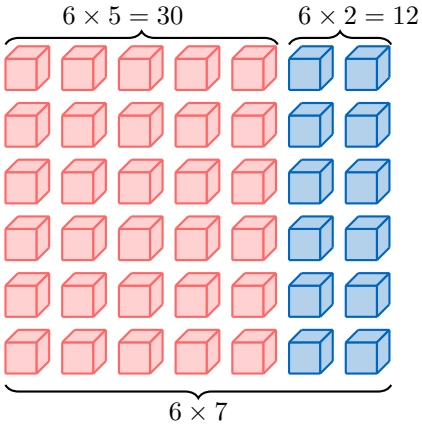
Ex 35: $7 \times 3 =$ ☐ + ☐



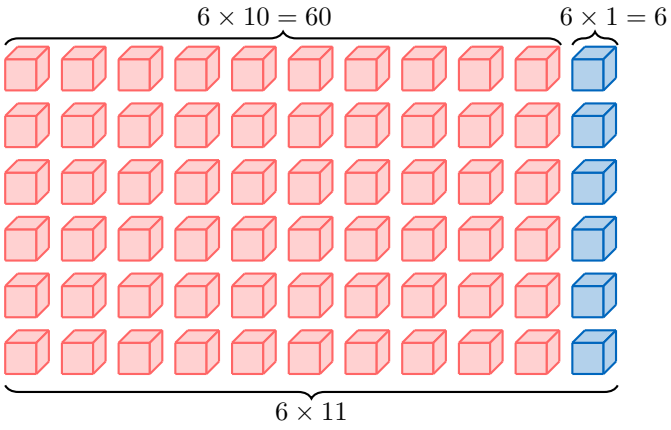
Ex 36: $8 \times 4 =$ ☐ + ☐



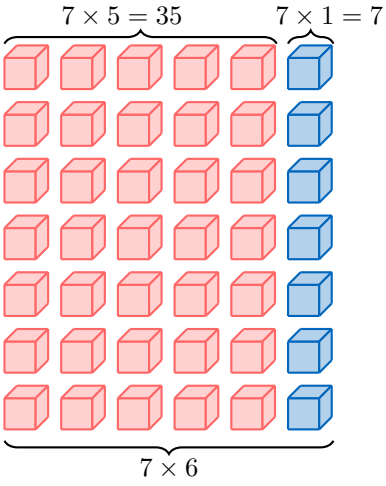
Ex 37: $6 \times 7 =$ ☐ + ☐



Ex 38: $6 \times 11 =$ ☐ + ☐

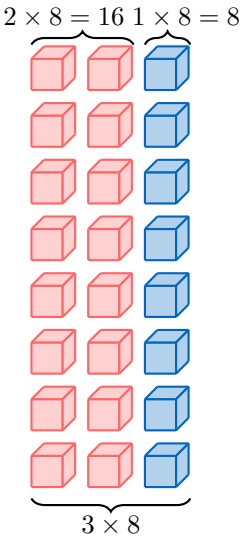


Ex 39: $7 \times 6 =$ ☐ + ☐

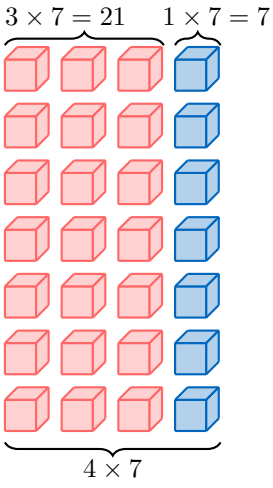


E.3 BREAKING DOWN AT LEFT

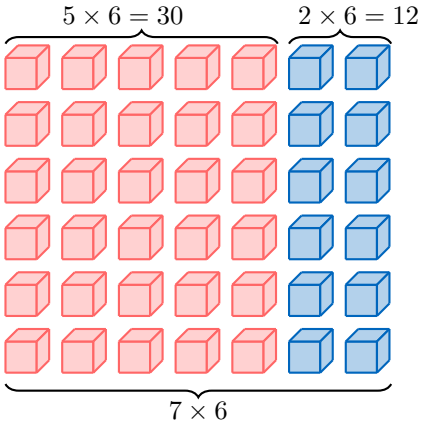
Ex 40: $3 \times 8 =$ ☐



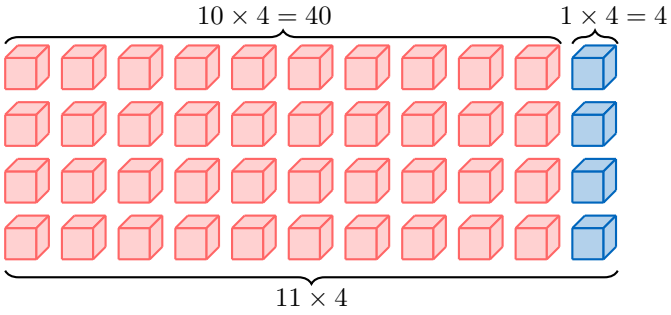
Ex 41: $4 \times 7 =$ ☐



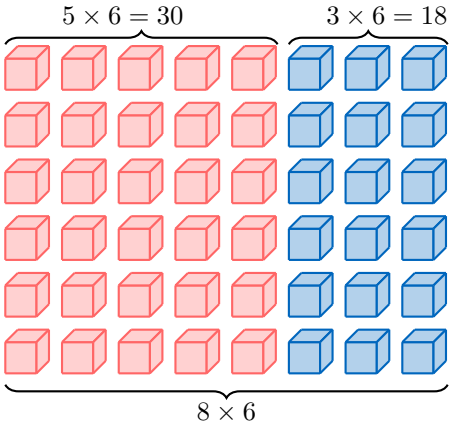
Ex 42: $7 \times 6 =$ ☐



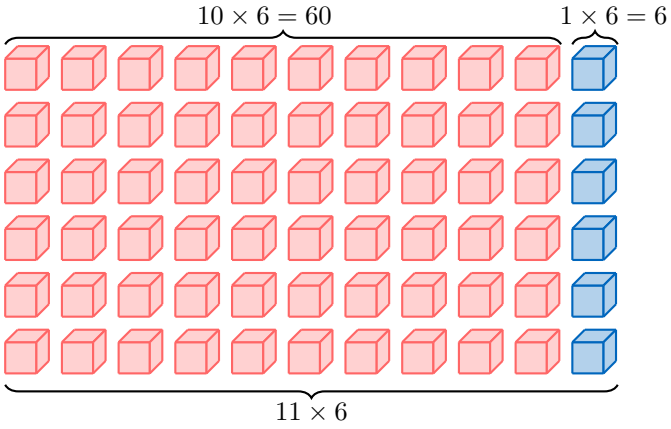
Ex 43: $11 \times 4 =$ ☐



Ex 44: $8 \times 6 =$ ☐

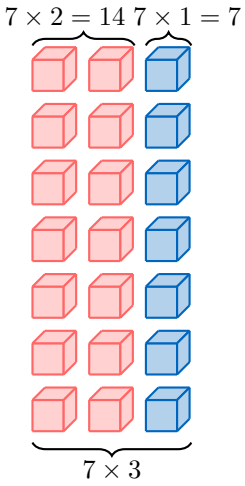


Ex 45: $11 \times 6 =$ ☐

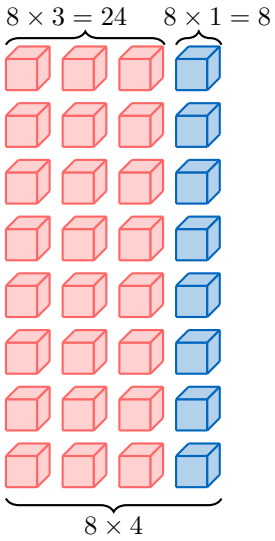


E.4 BREAKING DOWN AT RIGHT

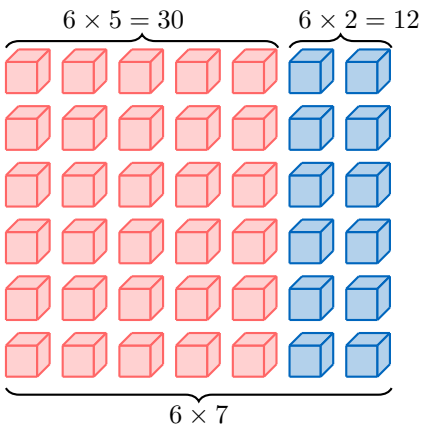
Ex 46: $7 \times 3 =$ ☐



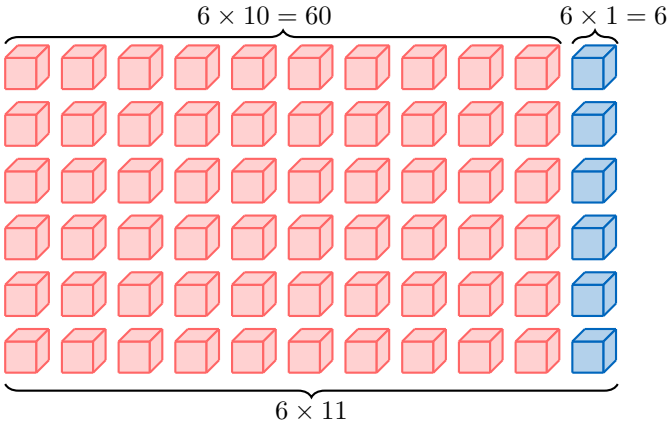
Ex 47: $8 \times 4 =$ ☐



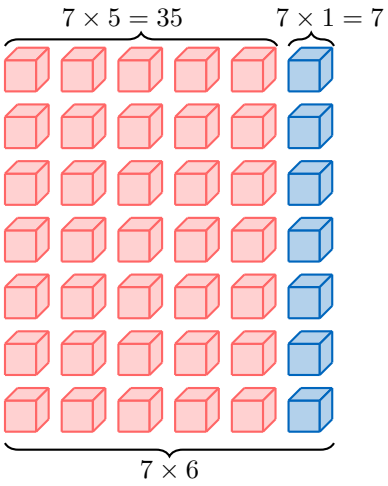
Ex 48: $6 \times 7 =$ ☐



Ex 49: $6 \times 11 =$ ☐



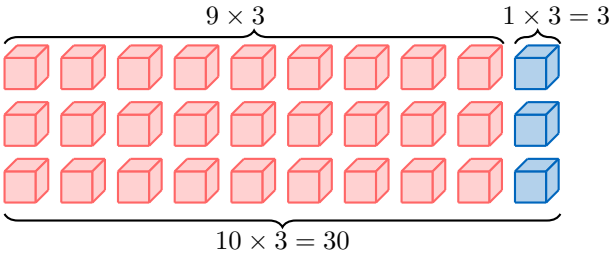
Ex 50: $7 \times 6 =$ ☐



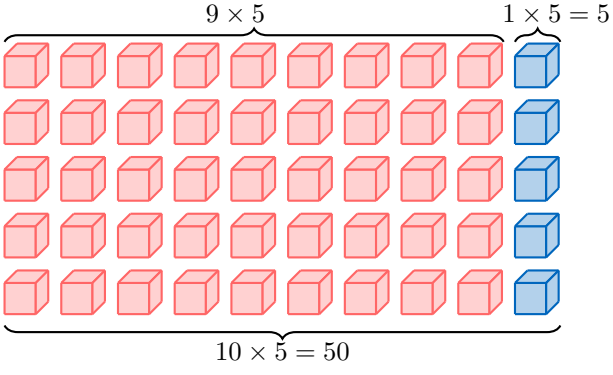
F DISTRIBUTIVE WITH SUBTRACTION

F.1 BREAKING DOWN AT LEFT

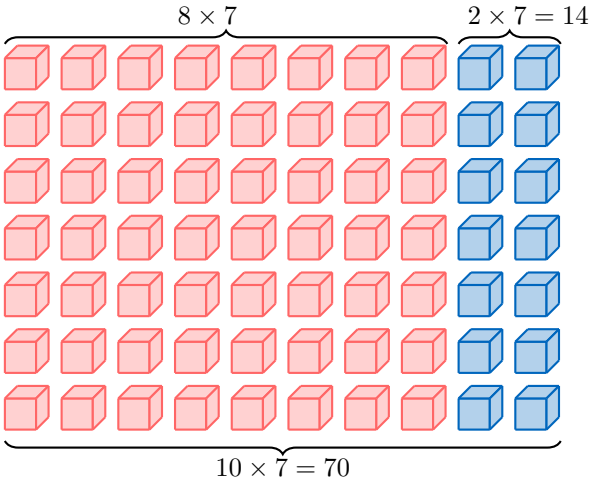
Ex 51: $9 \times 3 =$ ☐ - ☐



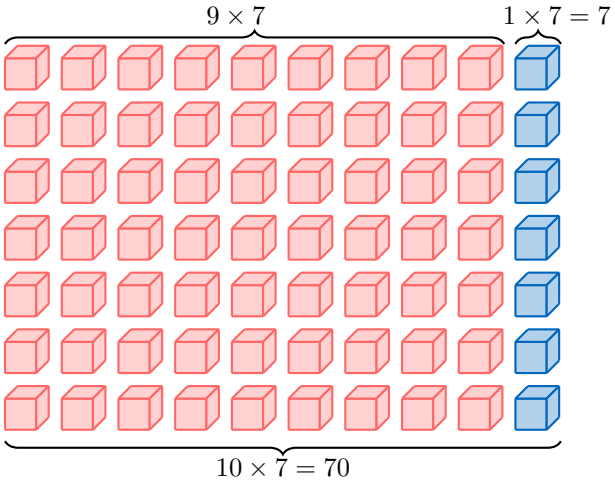
Ex 52: $9 \times 5 =$ ☐ - ☐



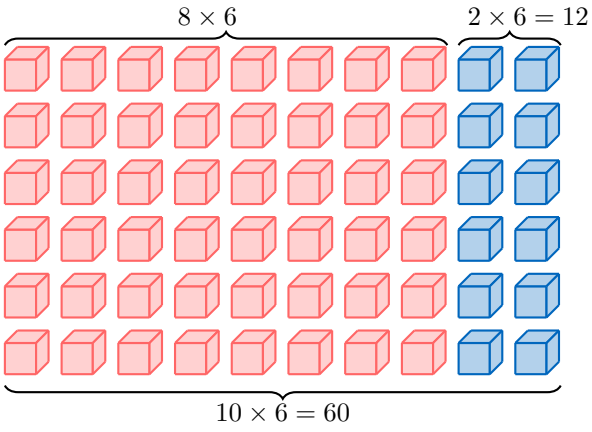
Ex 53: $8 \times 7 =$ ☐ - ☐



Ex 54: $9 \times 7 =$ ☐ - ☐

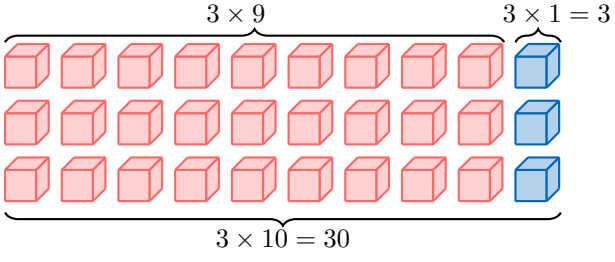


Ex 55: $8 \times 6 =$ ☐ - ☐

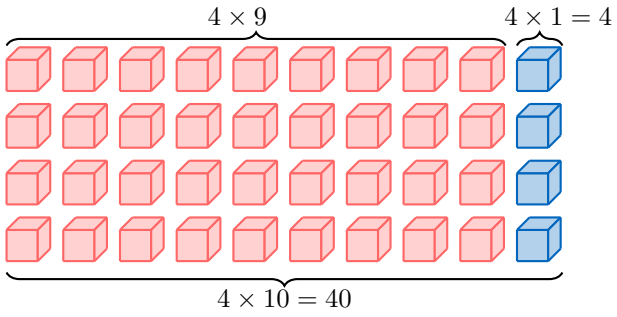


F.2 BREAKING DOWN AT RIGHT

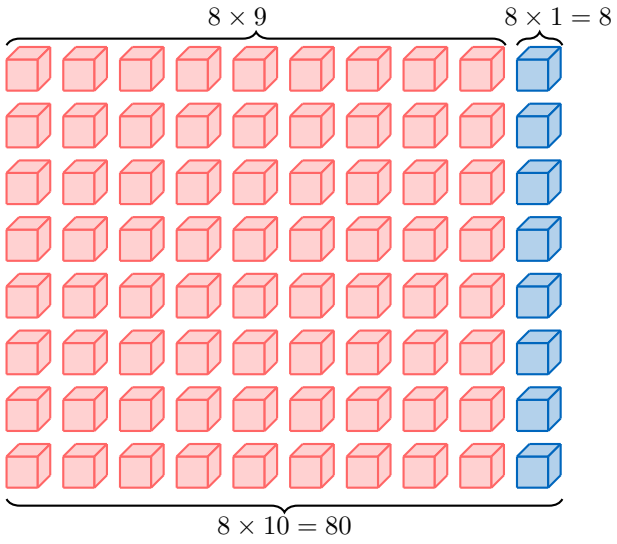
Ex 56: $3 \times 9 =$ ☐ - ☐



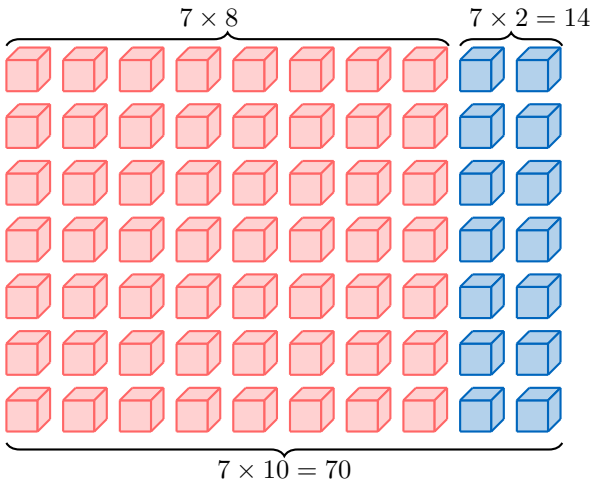
Ex 57: $4 \times 9 =$ ☐ - ☐



Ex 58: $8 \times 9 =$ ☐ - ☐

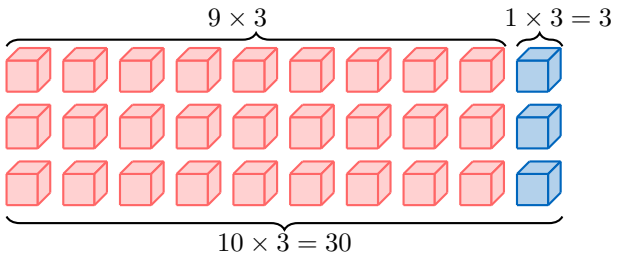


Ex 59: $7 \times 8 =$ ☐ - ☐

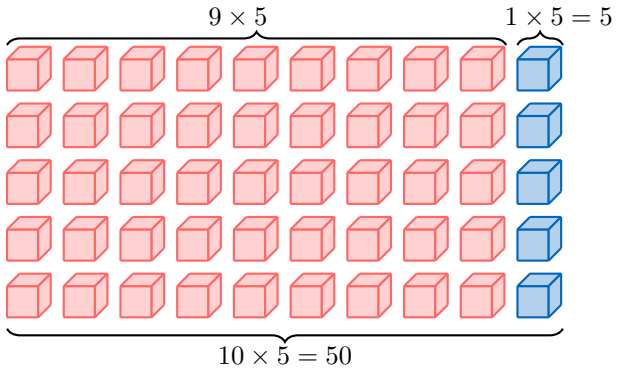


F.3 BREAKING DOWN AT LEFT

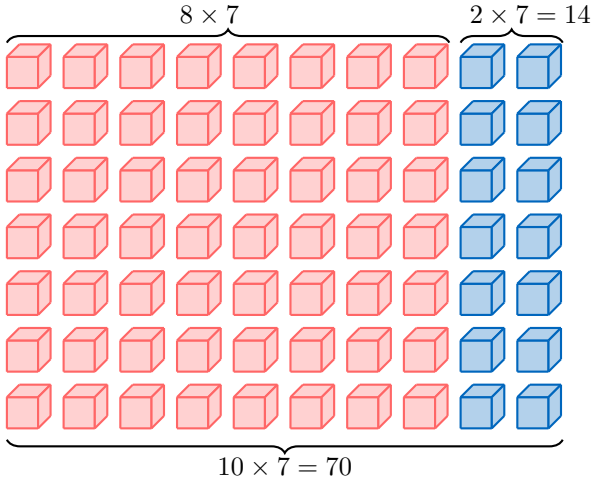
Ex 60: $9 \times 3 =$ ☐



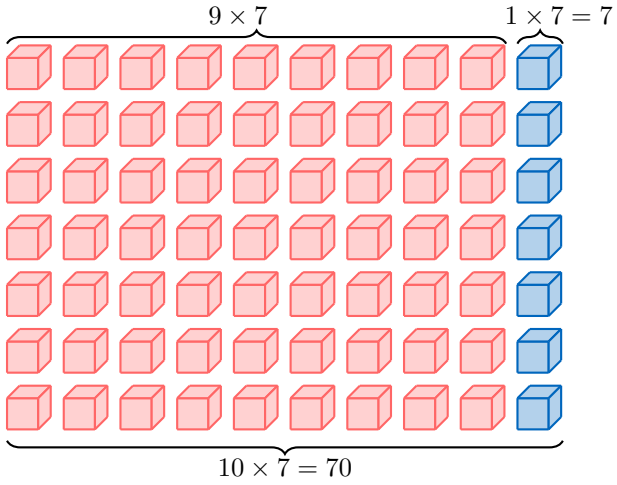
Ex 61: $9 \times 5 =$ ☐



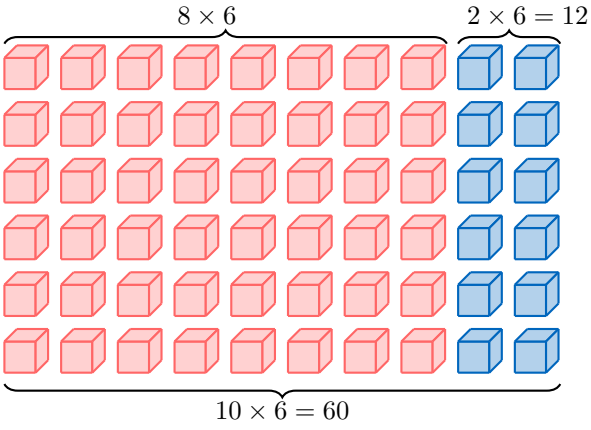
Ex 62: $8 \times 7 =$ ☐

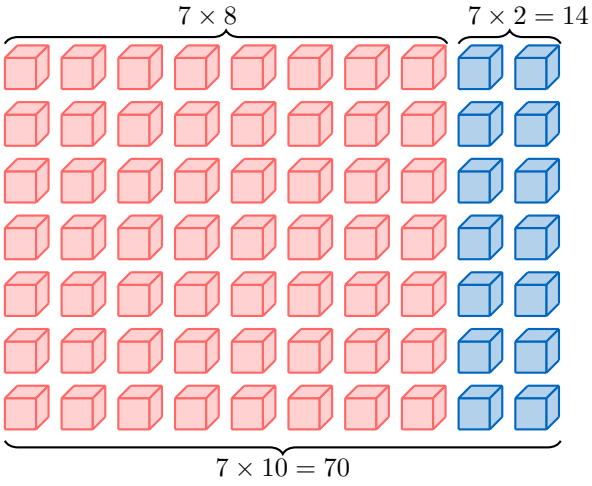


Ex 63: $9 \times 7 =$ ☐



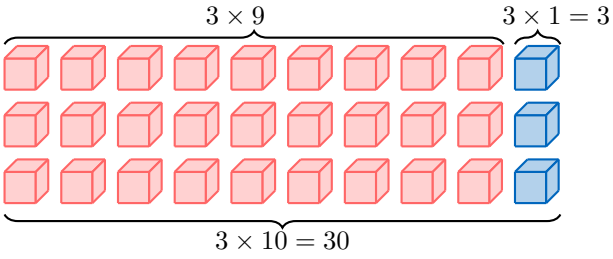
Ex 64: $8 \times 6 =$ ☐



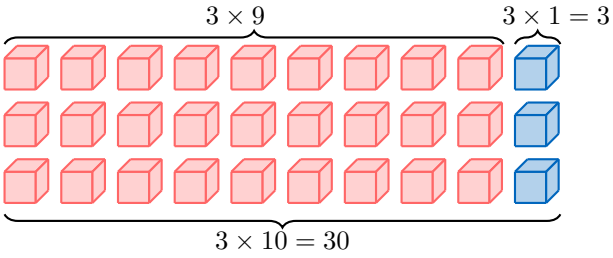


F.4 BREAKING DOWN AT RIGHT

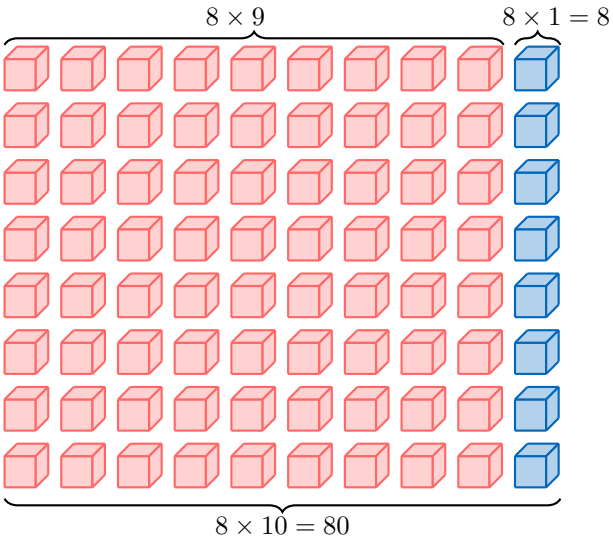
Ex 65: $3 \times 9 =$ ☐



Ex 66: $4 \times 9 =$ ☐



Ex 67: $8 \times 9 =$ ☐



Ex 68: $7 \times 8 =$ ☐ - ☐