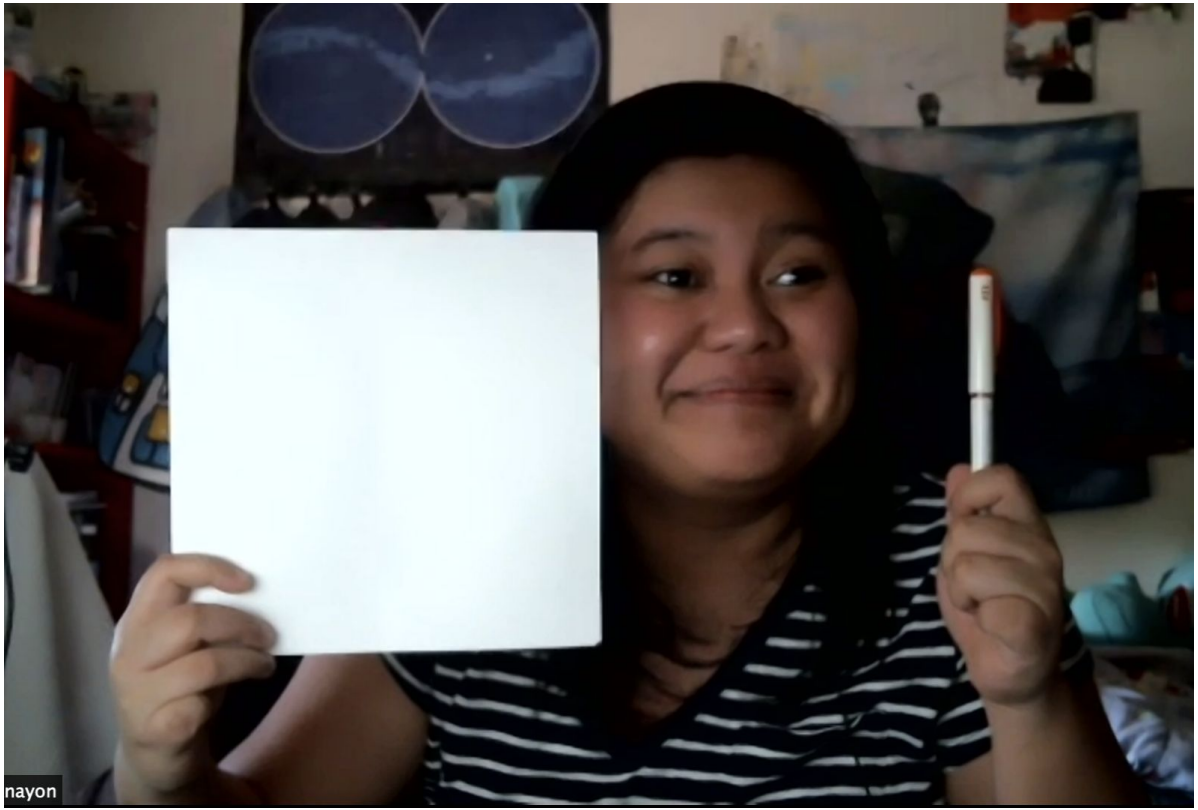
Today you will need:

1. **A piece of paper**

2. **A pen**



学习目标

我们将能够回答以下问题：
我们可以使用什么新**策略**更**快地将**数字相乘？

Objetivo de aprendizaje

Podremos responder a la siguiente pregunta:
¿Qué nueva **estrategia** podemos usar para multiplicar números **más rápido**?

Learning Goal

We will be able to answer the following question:

What new **strategy** can we use to multiply numbers **faster**?

Practice Fluency:

Let's skip count by **5s**

from 5 --> 70:

5...10...15...20...25

5 + 5 = 10

10 + 5 = 15

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Let's **skip count** by **5s**

from **<u>70 --> 5</u>**: (star 5)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Practice:

p. 234

A

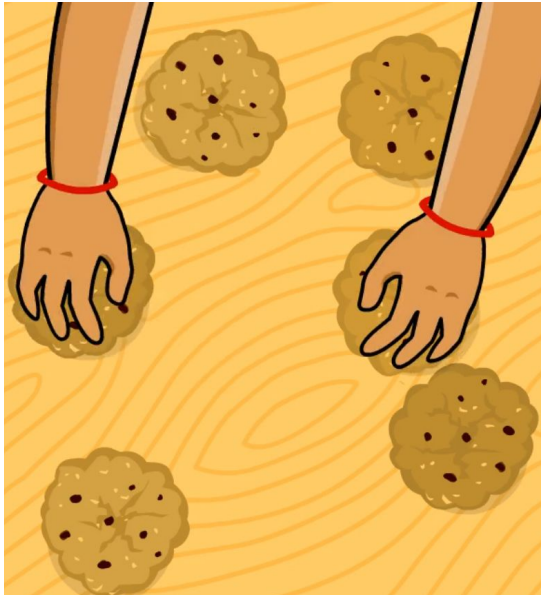
Number Correct: _____

Add or Subtract Using 5

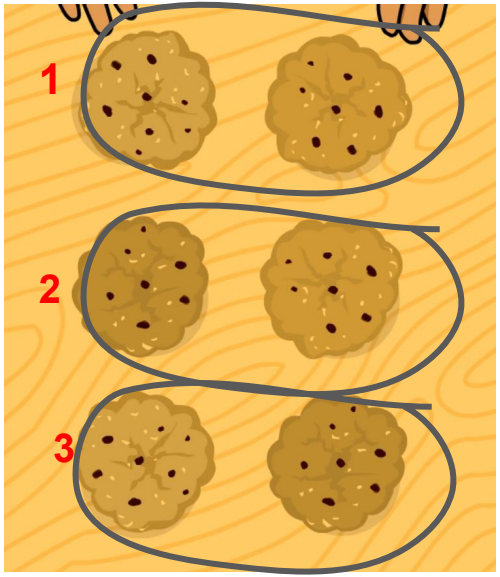
1.	0 + 5 =	
2.	5 + 5 =	
3.	10 + 5 =	
4.	15 + 5 =	
5.	20 + 5 =	
6.	25 + 5 =	
7.	30 + 5 =	
8.	35 + 5 =	
9.	40 + 5 =	
10.	45 + 5 =	
11.	50 – 5 =	

23.	10 + 5 =	
24.	15 + 5 =	
25.	20 + 5 =	
26.	25 + 5 =	
27.	30 + 5 =	
28.	35 + 5 =	
29.	40 + 5 =	
30.	45 + 5 =	
31.	0 + 50 =	
32.	50 + 50 =	
33.	50 + 5 =	

New strategy: Organize things into **an array**!



I can *organize* **to count faster/快地将/más rápido**.

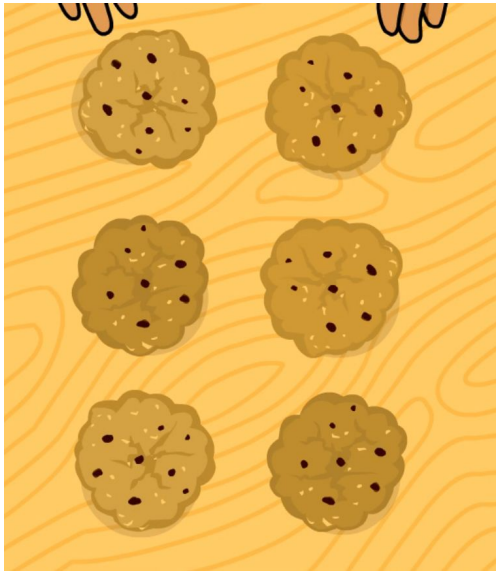


3 **groups of** 2

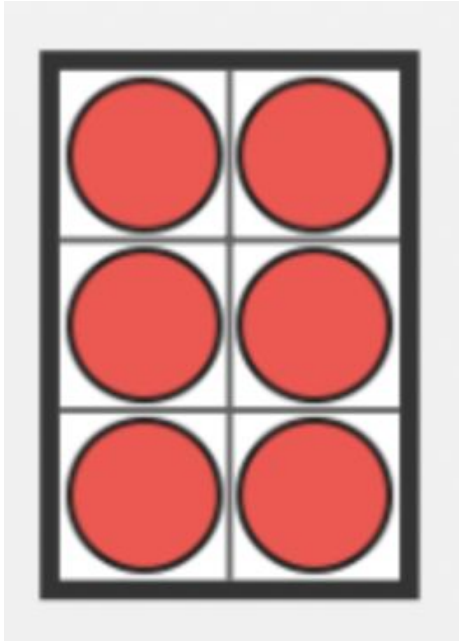
= 3 *twos* .

https://jr.brainpop.com/math/multiplicationanddivision/arrays/

an array



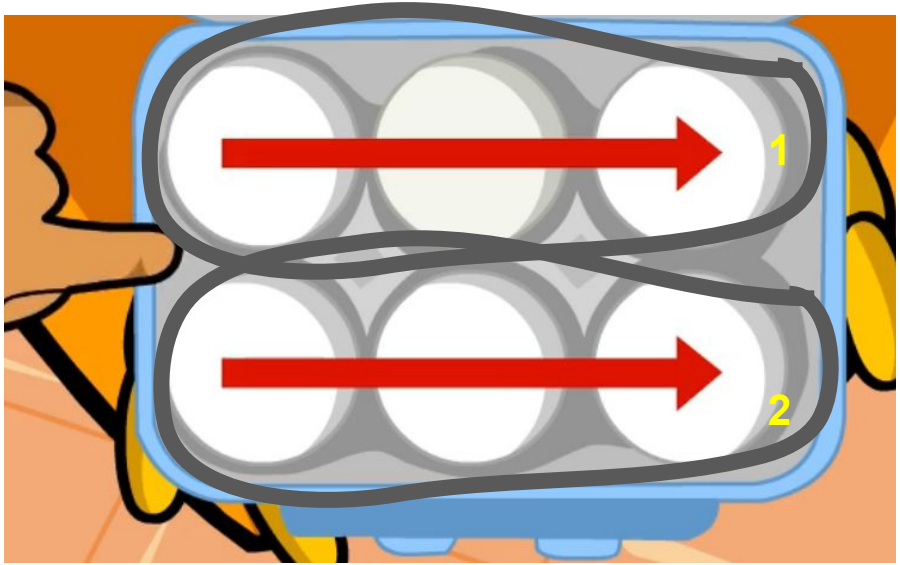
=

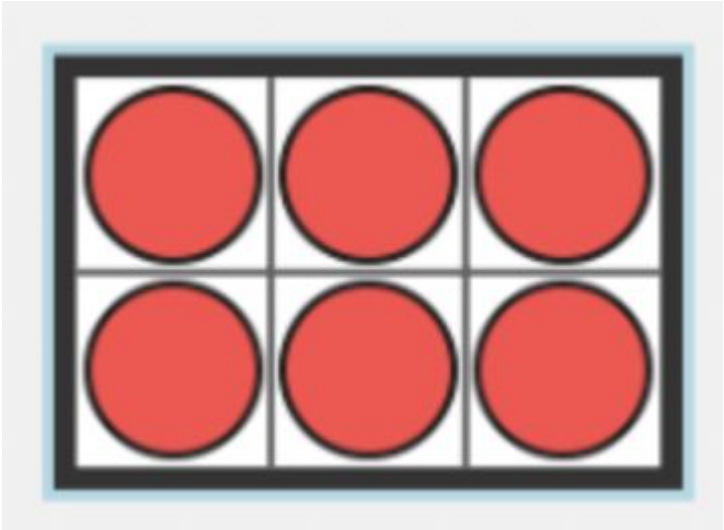


3 twos

3 x 2

Egg cartons have arrays too!



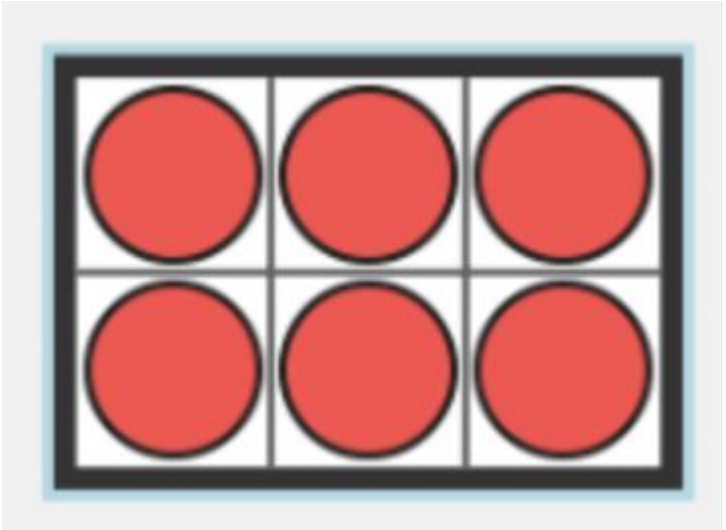


2 groups of 3

2 threes

2 X 3

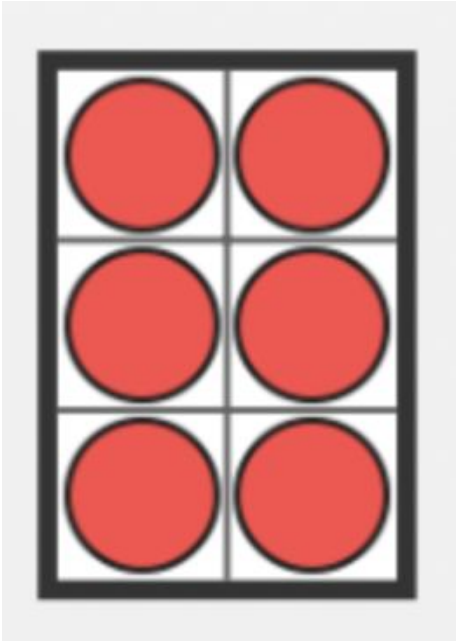
We can use ***arrays*** **to count faster**
快地将/más rápido.



2 threes

2 X 3

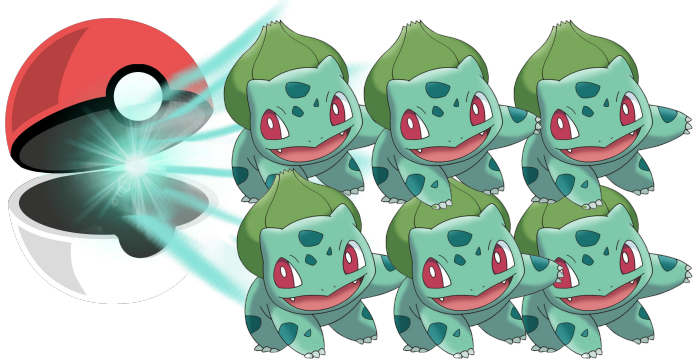
=

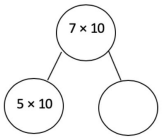


3 twos

3 x 2

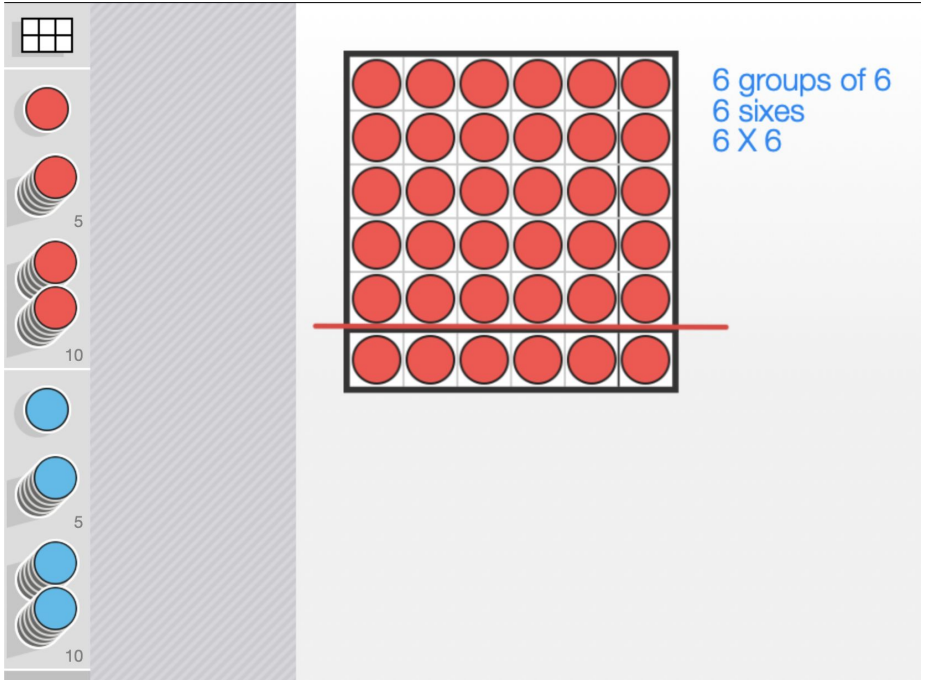
Camie has 6 Pokeballs . Each Pokeball holds 6 Pokémon. **How many** Pokémon does Camie have **in total**?



Use the break apart and distribute strategy and draw a number bond 

to solve.

Use the break apart and distribute strategy

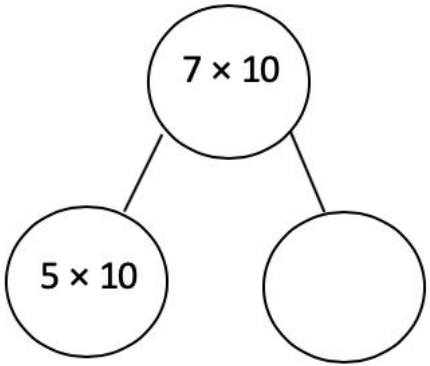


Draw

a number bond

to solve.

3. $7 \times 10 =$ _____



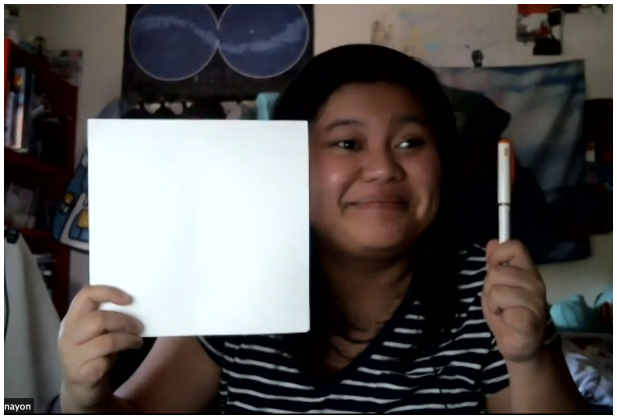
5 tens + _____ = 7 tens

(5 × 10) + (_____ × 10) = 7 × 10

_____ + _____ = _____

7 × 10 = _____

¡INTÉNTALO!/ TRY IT! / 尝试一下



Use the break apart and distribute strategy

and a number bond to solve.

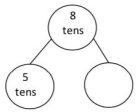
完成 / Completa / Complete

pages 236-238

(Pages 237-238 will be translated for emerging students Using google document translation tool)

Name _____ Date _____

1. 8 × 10 = _____



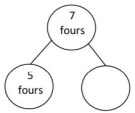
5 tens + _____ = 8 tens

(5 × 10) + (_____ × 10) = 8 × 10

50 + _____ = _____

8 × 10 = _____

2. 7 × 4 = _____



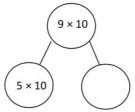
5 fours + _____ = 7 fours

(5 × 4) + (_____ × 4) = 7 × 4

20 + _____ = _____

7 × 4 = _____

3. 9 × 10 = _____



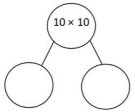
5 tens + _____ = 9 tens

(5 × 10) + (_____ × 10) = 9 × 10

_____ + _____ = _____

9 × 10 = _____

4. 10 × 10 = _____



_____ + _____ = 10 tens

(_____ × 10) + (_____ × 10) = 10 × 10

_____ + _____ = _____

10 × 10 = _____

5. There are 7 teams in the soccer tournament. Ten children play on each team. How many children are playing in the tournament? Use the break apart and distribute strategy, and draw a number bond to solve.

There are _____ children playing in the tournament.

6. What is the total number of sides on 8 triangles?

7. There are 12 rows of bottled drinks in the vending machine. Each row has 10 bottles. How many bottles are in the vending machine?

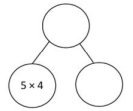
Name _____ Date _____

Dylan used the break apart and distribute strategy to solve a multiplication problem. Look at his work below, write the multiplication problem Dylan solved, and complete the number bond.

Dylan's work:

(5 × 4) + (1 × 4) =

20 + 4 = 24



_____ × _____ = _____

Learning Goal:

We will be able to answer the following question:

What new **strategy** can we use to multiply numbers **faster**?

Podremos responder a la siguiente pregunta:
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