$$3 + 2 + 7 =$$

Can we add these in any order?

Why?

Can changing the order make the numbers easier to add?

3 + 2 + 7 =

On whiteboards:

$$4 + 8 + 6 =$$

Q: Why are we allowed to change the order of the numbers?

Q: Which two numbers did you add first? Why?

Q: What if you added a different two numbers first, would your answer be the same?

Fluency:

2 + 3 + 5 =

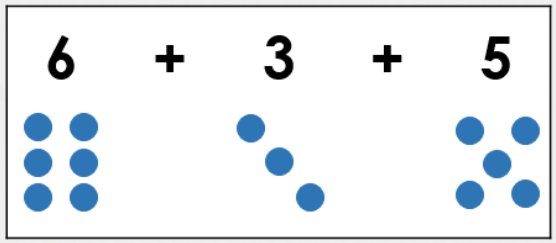
5 + 3 + 5 =

4 + 6 + 7 =

7 + 9 + 3 =

2 + 4 + 8 =

Match each addition to the correct answer.



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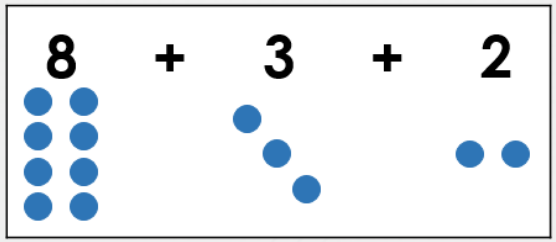

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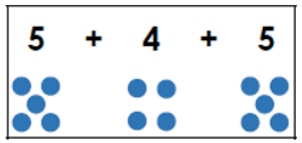
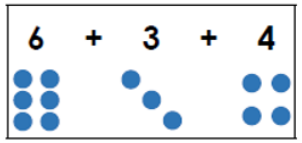
Varied fluency:

5a. Match each addition to the correct answer.





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VF

8b. Tick the correct calculations.

A. 9 + 0 + 8 = 17 ☐

B. 7 + 7 + 6 = 20 ☐

C. 7 + 6 + 6 = 18 ☐

VF

Use < > or = to compare the number sentences.

5 + 4 + 6 ◯ 6 + 5 + 4

7 + 3 + 8 ◯ 7 + 7 + 3

9 + 2 + 5 ◯ 8 + 3 + 5

8 + 4 + 2 ◯ 2 + 5 + 8

Reasoning and problem solving

Which numbers would you add together first in the following number sentences? Why would you add those first?

$3 + 5 + 7 =$

$8 + 2 + 6 =$

$4 + 3 + 4 =$

Find the totals of each row and column.

5	4	2	
3	7	8	
5	7	3	

Dive deeper

Here are some digit cards.

8	6	4	1	5

a) What is the greatest total you can make?

☐ + ☐ + ☐ = ☐

b) What is the smallest total you can make?

☐ + ☐ + ☐ = ☐