

I know... so...

| | | | | |
|---|---|---|---|--|
| ● | ● | ● | ● | |
| ● | ● | ● | ● | |

$4 + 4 = 8$
so $5 + 4 = \square$

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$3 + 3 = 6$
so $3 + \square = 5$

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$4 + 4 = 8$
so $3 + 4 = \square$

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| ● | ● | ● | ● | ● |
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$5 + 5 = 10$
so $5 + 3 = \square$

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$5 + 5 = 10$
so $6 + 5 = \square$

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$3 + 3 = 6$
so $4 + 2 = \square$

I know... so...

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| ● | ● | ● | ● | ● | ● | ● | | | |

$7 + 7 = 14$
so $8 + 7 = \square$

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| ● | ● | ● | ● | ● | ● | | | | |
| ● | ● | ● | ● | ● | ● | | | | |

$6 + 6 = 12$
so $6 + \square = 11$

| | | | | | | | | | |
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| ● | ● | ● | ● | ● | ● | ● | ● | | |

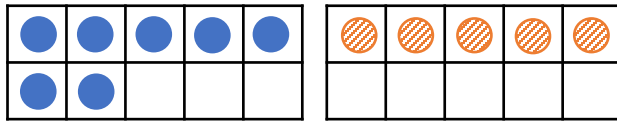
$8 + 8 = 16$
so $9 + 8 = \square$

| | | | | | | | | | |
|---|---|---|---|---|---|--|--|--|--|
| ● | ● | ● | ● | ● | ● | | | | |
| ● | ● | ● | ● | ● | ● | | | | |

$6 + 6 = 12$
so $7 + 5 = \square$

Different Ways

$7 + 5 = \square$



7 + 5 is the same as:

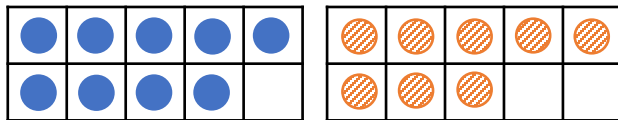
$5 + 5 + \square$

$7 + 3 + \square$

$6 + \square$

Different Ways

$9 + 8 = \square$



9 + 8 is the same as:

10 + 10 take away \square

Double \square add 1

Double \square take away 1

Other: _____

Finish the Pictures

$8 + 5 = \square$

$8 + \square = 10 + \square$

$7 + 5 = \square$

$7 + \square = 10 + \square$

$8 + 6 = \square$

$8 + \square = 10 + \square$

Change the Order

Which numbers do you add first?

$$9 + 6 + 4 = \square$$

Add + first

$$7 + 6 + 3 = \square$$

Add + first

$$4 + 8 + 2 + 6 = \square$$

Add + first

$$8 + 5 + 3 = \square$$

Add + first

I know... so...

$$36 + 20 = 56$$

$$36 + 23 = \square$$

$$36 + 20 = 56$$

$$36 + \square = 55$$

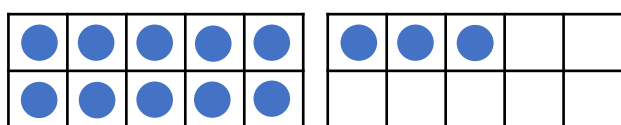
$$43 + 30 = 73$$

$$43 + 29 = \square$$

$$43 + 30 = 73$$

$$43 + \square = 75$$

Change the Order



$$13 - 9 = \square$$

Take all 9 from
the full 10-frame

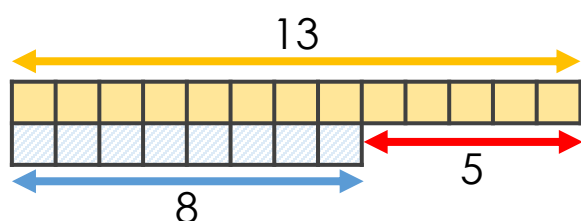
Take some from
both 10-frames

True or False? ✓ ✗

$$13 - 5 \checkmark = 8$$

$$13 - 8 = 5$$

$$13 = 5 + 8$$



$$5 - 13 = 8$$

$$13 - 5 = 8$$

$$5 = 8 + 13$$

Digit Cards Game

1 2 3 4 9

Use each digit once.

Complete the number sentence. *Do in different ways.*

$$\square \square - \square = \square \square$$

Explain the Mistakes

$$\begin{array}{r} 43 \\ \times 6 \\ \hline 2418 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 9 \\ \hline 95 \\ \hline 4 \end{array}$$

Part-Complete Examples

$$\begin{array}{r} 43 \\ \times 6 \\ \hline 8 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 15 \\ \times 9 \\ \hline 5 \\ \hline 4 \end{array}$$

Different Methods

Two ways of calculating 42×8 :

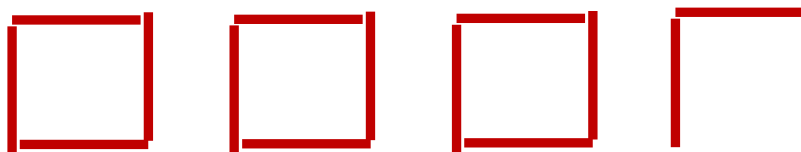
What's the same? What's different?

| | | |
|----|-----|------------|
| 40 | 2 | 320 |
| 8 | 320 | + 16 |
| | 16 | <u>336</u> |

| |
|------------|
| 42 |
| × 8 |
| <u>336</u> |
| 1 |

Explore

There are squares and left over.



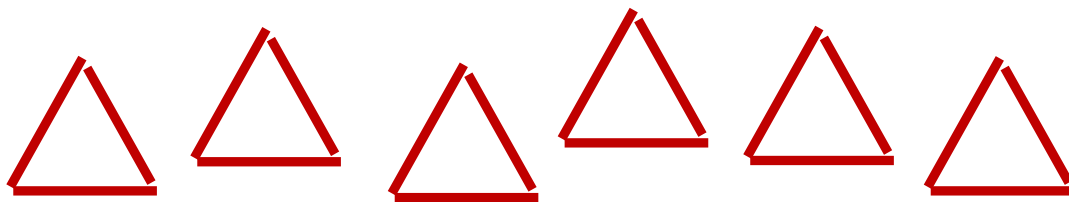
Rearrange the same number of matchsticks.

There are triangles and left over.

There are _____ and left over.

Explore

There are triangles and left over.



Rearrange the same number of matchsticks.

There are squares and left over.

There are _____ and left over.

Different Methods

What's the best way to answer each question?

$80 \div 10$

$80 \div 1$

$80 \div 4$

$80 \div 40$

$80 \div 5$

Next Step

For each example, **what's the remainder?**

$$\begin{array}{r} 1 \quad \square \\ 3 \overline{) 45} \\ \underline{3} \\ 15 \end{array}$$

$$\begin{array}{r} 1 \quad \square \\ 3 \overline{) 54} \\ \underline{3} \\ 24 \end{array}$$

$$\begin{array}{r} 2 \quad \square \\ 3 \overline{) 81} \\ \underline{6} \\ 21 \end{array}$$

$$\begin{array}{r} 1 \quad \square \\ 4 \overline{) 68} \\ \underline{4} \\ 28 \end{array}$$

$$\begin{array}{r} 1 \quad \square \\ 4 \overline{) 72} \\ \underline{4} \\ 32 \end{array}$$

$$\begin{array}{r} 2 \quad \square \\ 4 \overline{) 96} \\ \underline{8} \\ 16 \end{array}$$

Which Answer?

Find the correct calculation.
Spot the mistakes.

$84 \div 3$

$$\begin{array}{r} 21 \\ 3 \overline{) 84} \\ \underline{6} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

$$\begin{array}{r} 28 \\ 3 \overline{) 8^2 4} \\ \underline{6} \\ 24 \end{array}$$

$$\begin{array}{r} 24 \\ 3 \overline{) 8^1 4} \\ \underline{6} \\ 24 \end{array}$$