

Fact families



Problem solving and reasoning cards:

The square is worth less than 3.

$\square + \triangle = 5$
 $\triangle + \square = 5$
 $5 = \square + \triangle$
 $5 = \triangle + \square$

What could the square and triangle be worth?

$\square = \square$

$\triangle = \square$

Tick (✓) the number sentence that gives the biggest total.

$3 + 2$

$3 + 4$

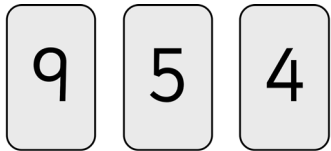
$5 + 3$

$5 + 1$

What is the biggest total?

What is the smallest total?

Sue has written two number sentences she made from the digit cards.



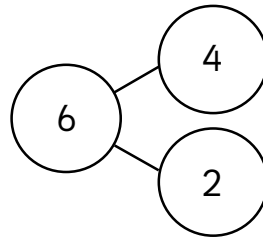
$9 = 5 + 4$

$4 = 9 + 5$

Circle the incorrect number sentence and correct the number sentences below.



The number sentences match the part-whole model.



$2 + 4 = 6$

$6 + 2 = 4$

Spot Che's mistake and explain how you know.

Create a fact family using each digit card once per number sentence.



The circle is worth less than 2.

$\bigcirc + \square = 4$
 $\square + \bigcirc = 4$
 $4 = \bigcirc + \square$
 $4 = \square + \bigcirc$

What could the circle and square be worth?

$\bigcirc = \square$

$\square = \square$

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Problem solving and reasoning cards:

The square is worth less than 3.

$\square + \triangle = 5$
 $\triangle + \square = 5$
 $5 = \square + \triangle$
 $5 = \triangle + \square$

What could the square and triangle be worth?

$\square = 0, 1, 2$

$\triangle = 5, 4, 3$

Tick (✓) the number sentence that gives the biggest total.

$3 + 2$

$3 + 4$

$5 + 3$

$5 + 1$

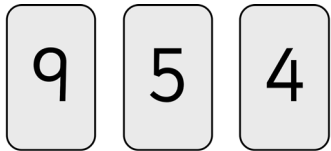
What is the biggest total?

8

What is the smallest total?

5

Sue has written two number sentences she made from the digit cards.



$9 = 5 + 4$

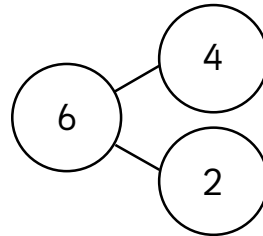
$4 = 9 + 5$

Circle the incorrect number sentence and correct the number sentences below.

$9 = 4 + 5$



The number sentences match the part-whole model.



$2 + 4 = 6$

$6 + 2 = 4$

Spot Che's mistake and explain how you know. $6 + 2 = 4$ is incorrect.

It should be $4 + 2 = 6$.

Create a fact family using each digit card once per number sentence.



$3 + 4 = 7$

$4 + 3 = 7$

$7 = 3 + 4$

$7 = 4 + 3$

The circle is worth less than 2.

$\bigcirc + \square = 4$
 $\square + \bigcirc = 4$
 $4 = \bigcirc + \square$
 $4 = \square + \bigcirc$

What could the circle and square be worth?

$\bigcirc = 0, 1$

$\square = 4, 3$