

Fact Families

1. Which number sentence does not match the ten frame?

A. $10 = 3 + 7$

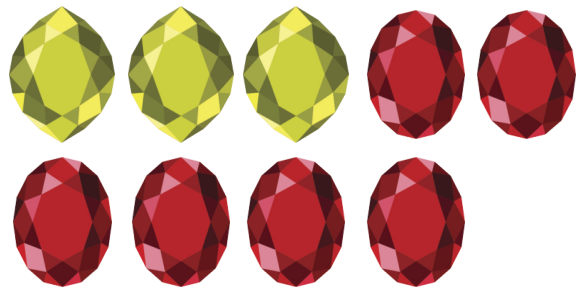
B. $7 + 3 = 10$

C. $10 - 6 = 4$

●	●	●	●	●
●	●	○	○	○

VF

4. Farooq has some gems.

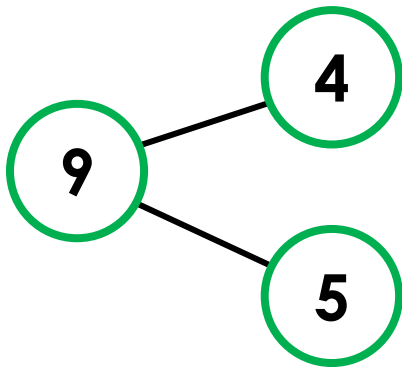


He writes 6 number sentences. Has he written all of the possible number sentences?

Explain how you know.

R

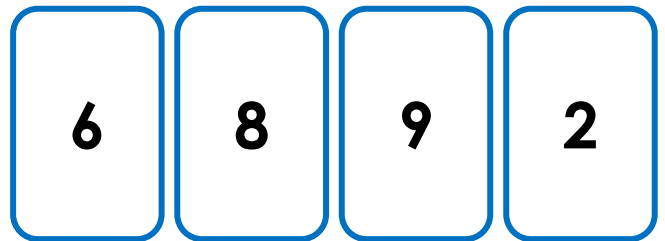
2. Write 8 number sentences about this part-whole model.



VF

5. Use three of the digit cards to make as many related number sentences as you can.

●	●	○	○	○
○	○	○		



PS

3. Fill in the missing numbers in the number sentences.

$$\square + 1 = 9$$

$$1 + 8 = \square$$

$$9 - \square = 8$$

$$\square - 8 = 1$$

$$9 = \square + 8$$

○	
○	○
○	○
○	○
●	○

VF

6. Circle and correct the calculations below that are not related to the tens frame.

●	●	●	●	●
●	●	○	○	

$7 + 2 = 9$

$9 = 7 - 2$

$9 - 7 = 3$

$9 - 2 = 7$

$9 = 2 + 7$

$7 - 2 = 9$

$2 + 9 = 7$

$2 + 7 = 9$

$7 = 2 + 9$

PS

Fact Families

1. C

2. $4 + 5 = 9$; $5 + 4 = 9$; $9 = 4 + 5$; $9 = 5 + 4$; $4 = 9 - 5$; $5 = 9 - 4$; $9 - 5 = 4$; $9 - 4 = 5$

3.

$$\boxed{8} + 1 = 9$$

$$1 + \boxed{8} = \boxed{9}$$

$$9 - \boxed{1} = 8$$

$$\boxed{9} - 8 = 1$$

$$9 = \boxed{1} + 8$$

4. Farooq is incorrect as there are 8 possible number sentences, not 6. There are 4 addition sentences: ($3 + 6 = 9$; $6 + 3 = 9$; $9 = 3 + 6$; $9 = 6 + 3$) and 4 subtraction sentences: ($9 - 6 = 3$; $9 - 3 = 6$; $3 = 9 - 6$; $6 = 9 - 3$).

5. $2 + 6 = 8$; $6 + 2 = 8$; $8 = 6 + 2$; $8 = 2 + 6$; $8 - 2 = 6$; $8 - 6 = 2$; $2 = 8 - 6$; $6 = 8 - 2$

6.

$$7 + 2 = 9$$

$$9 = 7 - 2$$

$$9 - 7 = 3$$

$$9 - 2 = 7$$

$$9 = 2 + 7$$

$$7 - 2 = 9$$

$$2 + 9 = 7$$

$$2 + 7 = 9$$

$$7 = 2 + 9$$

$9 = 7 + 2$; $9 - 7 = 2$; $7 + 2 = 9$; $9 - 2 = 7$; $9 = 2 + 7$