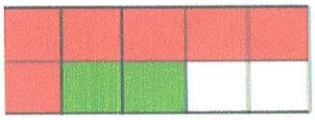
Maths: Fact families. (2 + and 2 – number sentences)

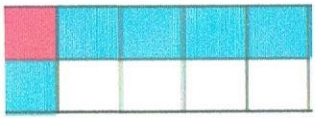
Link to recap: https://whiterosemaths.com/homelearning/year-1/. The video is under week 3 and is lesson 2 fact families linking addition and subtraction.

Activity 1: Use the tens frame to create the fact families. A fact family only uses the same 3 numbers shown in the pictures. Remember a fact family has 2 addition and 2 take away number sentences. The takeaway always starts with the whole which is the biggest number.



_____ + _____ = _____ _____ - _____ = _____

_____ + _____ = _____ _____ - _____ = _____



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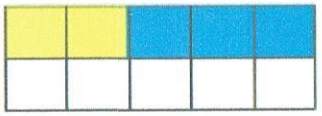


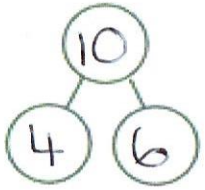
_____ + _____ = _____ _____ - _____ = _____

_____ + _____ = _____ _____ - _____ = _____

_____ + _____ = _____ _____ - _____ = _____

_____ + _____ = _____ _____ - _____ = _____

Activit 2 Use the part whole models to create a fact family. Remember 2 addition and 2 take away number sentences.



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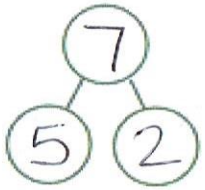

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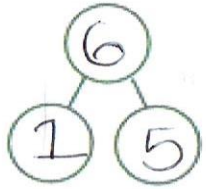

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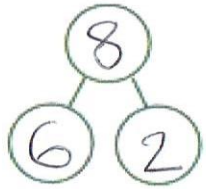

_____ + _____ = _____ _____ - _____ = _____

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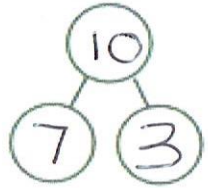

_____ + _____ = _____ _____ - _____ = _____

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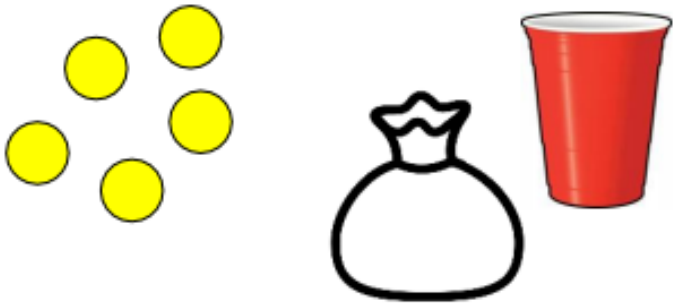
Activity 3: For each way the counters are split, write the fact family to go along with it 😊. Try using a cup and bag and 5 counters and work systematically to find all the ways.

Amir has 5 counters in total.
Each of his counters are either in a bag or a cup.
How many different ways could the counters be split between the bag and the cup?



How many ways have you found to share the counters?

Write all the possible ways here.

Use the fact family squares to write all the fact families for all the ways found.

Challenge: Are there any set of numbers the same? Why?

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Answers:

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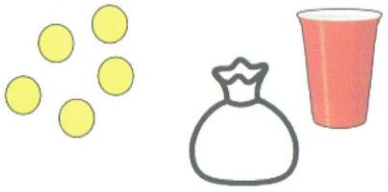


How many ways have you found to share the counters?

Write all the possible ways here.

Use the fact family squares to write all the fact families for all the ways found.

0 + 5 = 5
5 + 0 = 5
1 + 4 = 5
4 + 1 = 5
2 + 3 = 5
3 + 2 = 5

3 2 5 5 3 2
2 3 5 5 2 3

0 5 5 5 5 0
5 0 5 5 0 5

4 1 5 5 1 4
1 4 5 5 4 1

1 4 5 5 4 1
4 1 5 5 1 4

5 0 5 5 5 0
0 5 5 5 0 5

2 3 5 5 2 3
3 2 5 5 3 2

Activity 1: Use the tens frame to create the fact families. A fact family only uses the same 3 numbers shown in the pictures. Remember a fact family has 2 addition and 2 take away number sentences. The takeaway always starts with the whole which is the biggest number.

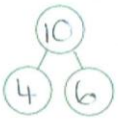
6 + 2 = 8
2 + 6 = 8
8 − 2 = 6
8 − 6 = 2

1 + 5 = 6
5 + 1 = 6
6 − 1 = 5
6 − 5 = 1

2 + 3 = 5
3 + 2 = 5
5 − 2 = 3
5 − 3 = 2

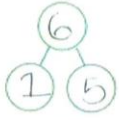
1 + 8 = 9
8 + 1 = 9
9 − 1 = 8
9 − 8 = 1

Activity 1: Use the part whole models to create a fact family. Remember 2 addition and 2 take away number sentences.



4 + 6 = 10
6 + 4 = 10
10 − 4 = 6
10 − 6 = 4

5 + 2 = 7
2 + 5 = 7
7 − 2 = 5
7 − 5 = 2



1 + 5 = 6
5 + 1 = 6
6 − 1 = 5
6 − 5 = 1

6 + 2 = 8
2 + 6 = 8
8 − 2 = 6
8 − 6 = 2

7 + 3 = 10
3 + 7 = 10
10 − 7 = 3
10 − 3 = 7