MATH

Fact families

Name _____ Date _____

I can write four facts with the same three numbers.

1 How it works

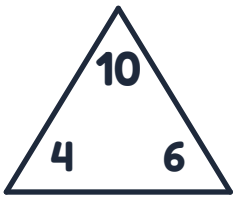
A fact family uses three numbers. The biggest number is the whole. Add the two parts in either order, then take each part away from the whole.



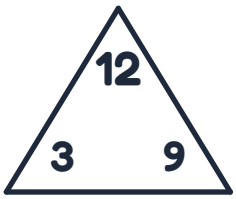
3 + 5 = 8
5 + 3 = 8
8 – 3 = 5
8 – 5 = 3

2 Write the fact family

Two adding facts and two taking away facts.



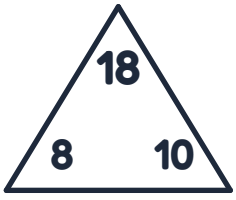
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How did I do? ☆ ☆ ☆

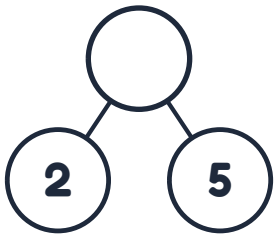
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From a bond to a fact family

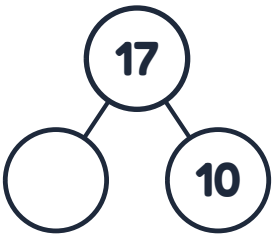
Name _____ Date _____

I can use a number bond to write four facts.

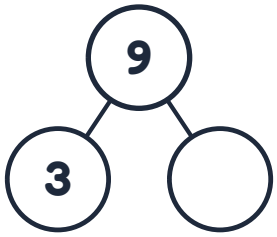
1 Fill in the bond, then write the four facts



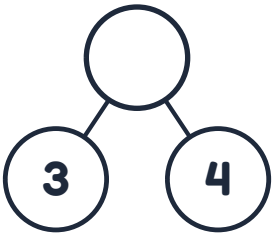
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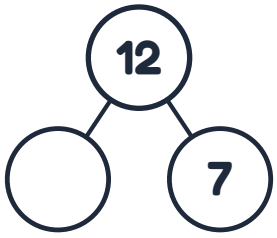
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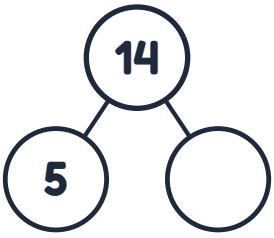
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How did I do? ☆ ☆ ☆

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Missing numbers

Name _____ Date _____

I can use a fact family to find a missing number.

1 Write the missing number

18 − 8 = ☐	12 − ☐ = 3	13 − ☐ = 4
3 + ☐ = 9	17 − 7 = ☐	16 − ☐ = 6
2 + ☐ = 6	☐ + 9 = 13	18 − ☐ = 8
4 + ☐ = 13	14 − ☐ = 6	9 − ☐ = 3

2 Which fact does not belong? Cross it out.

3 + 8 = 11	11 − 4 = 7	11 − 3 = 8	8 + 3 = 11
2 + 11 = 13	2 + 9 = 11	11 − 2 = 9	9 + 2 = 11
16 − 9 = 7	6 + 9 = 15	15 − 6 = 9	9 + 6 = 15

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use fact families to solve problems.

1 Read, think, answer

1 Ali has 6 red cars and 7 blue cars. How many cars does Ali have?

Answer:

2 13 birds sat on a fence. 7 flew away. How many birds are still on the fence?

Answer:

3 Write the fact family for 4, 9 and 13.

Answer:

4 Mia says, “8 + 5 = 13, so I know 13 – 5 = 8.” Is Mia right? Why?

Answer:

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: fact families

1 Page 1

Fact families: 4 + 6 = 10, 6 + 4 = 10, 10 − 4 = 6, 10 − 6 = 4; 3 + 9 = 12, 9 + 3 = 12, 12 − 3 = 9, 12 − 9 = 3; 6 + 8 = 14, 8 + 6 = 14, 14 − 6 = 8, 14 − 8 = 6; 8 + 10 = 18, 10 + 8 = 18, 18 − 8 = 10, 18 − 10 = 8.

2 Page 2

Bonds and facts: 2 + 5 = 7, 5 + 2 = 7, 7 − 2 = 5, 7 − 5 = 2; 7 + 10 = 17, 10 + 7 = 17, 17 − 7 = 10, 17 − 10 = 7; 3 + 6 = 9, 6 + 3 = 9, 9 − 3 = 6, 9 − 6 = 3; 3 + 4 = 7, 4 + 3 = 7, 7 − 3 = 4, 7 − 4 = 3; 5 + 7 = 12, 7 + 5 = 12, 12 − 5 = 7, 12 − 7 = 5; 5 + 9 = 14, 9 + 5 = 14, 14 − 5 = 9, 14 − 9 = 5.

3 Page 3

Missing numbers: 10, 9, 9, 6, 10, 10, 4, 4, 10, 9, 8, 6.

Does not belong: 11 − 4 = 7; 2 + 11 = 13; 16 − 9 = 7.

4 Page 4: word problems

1) 13 cars (6 + 7 = 13)

2) 6 birds (13 − 7 = 6)

3) 4 + 9 = 13, 9 + 4 = 13, 13 − 4 = 9, 13 − 9 = 4

4) Yes. The facts use the same three numbers, so if 8 + 5 = 13, then 13 − 5 = 8.

5 Teaching tip

Draw a house with the three numbers in the roof. Four facts live in the house. If a fact uses a number that is not in the roof, it does not live there.

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