

Name: _____

Date: _____

Class: _____

Teacher: _____



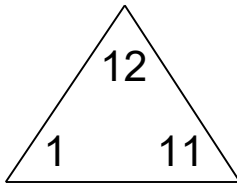
Fact Families Math Challenge!

The reward of a thing well done is to have done it. - Ralph Waldo Emerson (1803-1938)

Fact Families

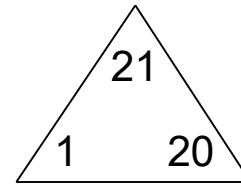
Complete each family of facts.

1.



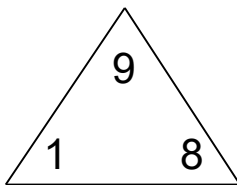
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

2.



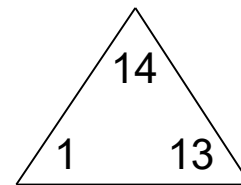
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

3.



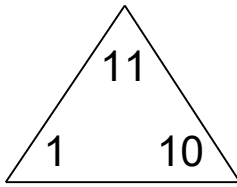
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

4.



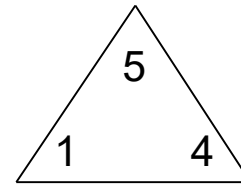
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

5.



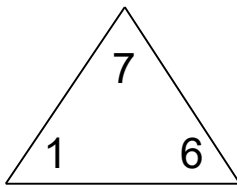
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

6.



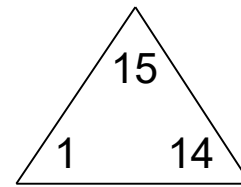
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

7.



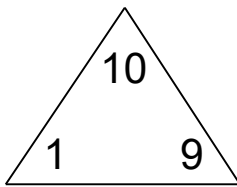
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

8.



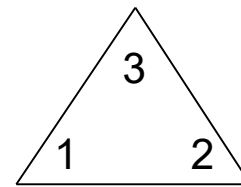
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

9.



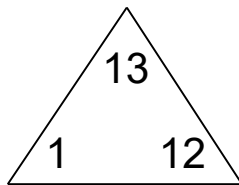
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

10.



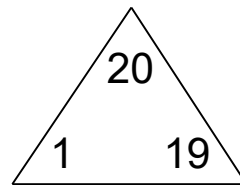
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

11.



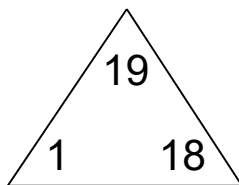
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

12.



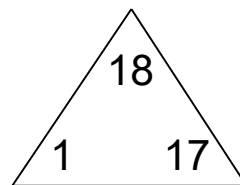
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

13.



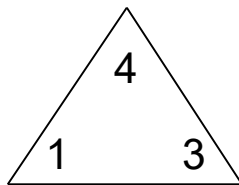
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

14.



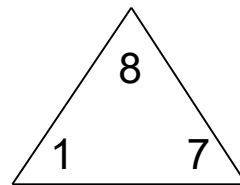
$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

15.



$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

16.



$$\begin{array}{r} \square + \square = \square \\ \square + \square = \square \\ \square - \square = \square \\ \square - \square = \square \end{array}$$

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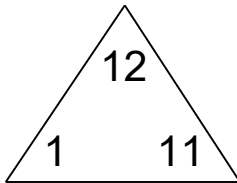
Fact Families Math Challenge!

The reward of a thing well done is to have done it. - Ralph Waldo Emerson (1803-1938)

Fact Families

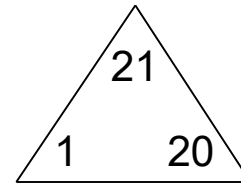
Complete each family of facts.

1.



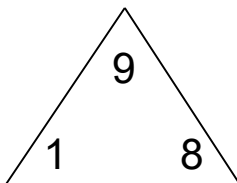
$$\begin{array}{r} \boxed{1} + \boxed{11} = \boxed{12} \\ \boxed{11} + \boxed{1} = \boxed{12} \\ \boxed{12} - \boxed{1} = \boxed{11} \\ \boxed{12} - \boxed{11} = \boxed{1} \end{array}$$

2.



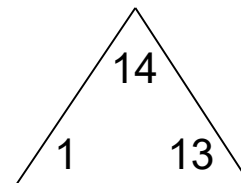
$$\begin{array}{r} \boxed{1} + \boxed{20} = \boxed{21} \\ \boxed{20} + \boxed{1} = \boxed{21} \\ \boxed{21} - \boxed{1} = \boxed{20} \\ \boxed{21} - \boxed{20} = \boxed{1} \end{array}$$

3.



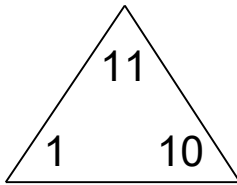
$$\begin{array}{r} \boxed{1} + \boxed{8} = \boxed{9} \\ \boxed{8} + \boxed{1} = \boxed{9} \\ \boxed{9} - \boxed{1} = \boxed{8} \\ \boxed{9} - \boxed{8} = \boxed{1} \end{array}$$

4.



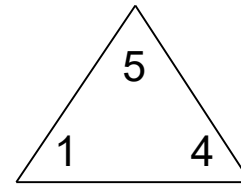
$$\begin{array}{r} \boxed{1} + \boxed{13} = \boxed{14} \\ \boxed{13} + \boxed{1} = \boxed{14} \\ \boxed{14} - \boxed{1} = \boxed{13} \\ \boxed{14} - \boxed{13} = \boxed{1} \end{array}$$

5.



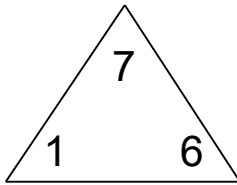
$$\begin{array}{r} \boxed{1} + \boxed{10} = \boxed{11} \\ \boxed{10} + \boxed{1} = \boxed{11} \\ \boxed{11} - \boxed{1} = \boxed{10} \\ \boxed{11} - \boxed{10} = \boxed{1} \end{array}$$

6.



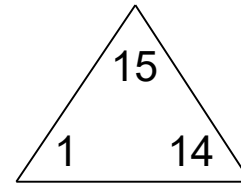
$$\begin{array}{r} \boxed{1} + \boxed{4} = \boxed{5} \\ \boxed{4} + \boxed{1} = \boxed{5} \\ \boxed{5} - \boxed{1} = \boxed{4} \\ \boxed{5} - \boxed{4} = \boxed{1} \end{array}$$

7.



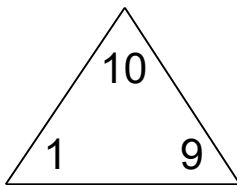
$$\begin{array}{r} \boxed{1} + \boxed{6} = \boxed{7} \\ \boxed{6} + \boxed{1} = \boxed{7} \\ \boxed{7} - \boxed{1} = \boxed{6} \\ \boxed{7} - \boxed{6} = \boxed{1} \end{array}$$

8.



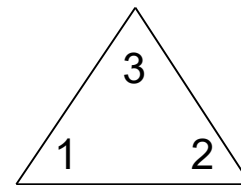
$$\begin{array}{r} \boxed{1} + \boxed{14} = \boxed{15} \\ \boxed{14} + \boxed{1} = \boxed{15} \\ \boxed{15} - \boxed{1} = \boxed{14} \\ \boxed{15} - \boxed{14} = \boxed{1} \end{array}$$

9.



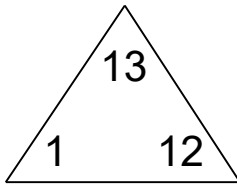
$$\begin{array}{r} \boxed{1} + \boxed{9} = \boxed{10} \\ \boxed{9} + \boxed{1} = \boxed{10} \\ \boxed{10} - \boxed{1} = \boxed{9} \\ \boxed{10} - \boxed{9} = \boxed{1} \end{array}$$

10.



$$\begin{array}{r} \boxed{1} + \boxed{2} = \boxed{3} \\ \boxed{2} + \boxed{1} = \boxed{3} \\ \boxed{3} - \boxed{1} = \boxed{2} \\ \boxed{3} - \boxed{2} = \boxed{1} \end{array}$$

11.



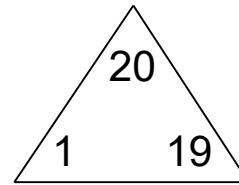
$$\boxed{1} + \boxed{12} = \boxed{13}$$

$$\boxed{12} + \boxed{1} = \boxed{13}$$

$$\boxed{13} - \boxed{1} = \boxed{12}$$

$$\boxed{13} - \boxed{12} = \boxed{1}$$

12.



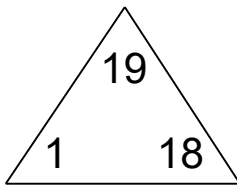
$$\boxed{1} + \boxed{19} = \boxed{20}$$

$$\boxed{19} + \boxed{1} = \boxed{20}$$

$$\boxed{20} - \boxed{1} = \boxed{19}$$

$$\boxed{20} - \boxed{19} = \boxed{1}$$

13.



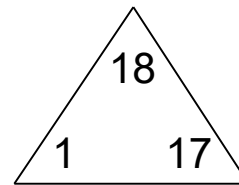
$$\boxed{1} + \boxed{18} = \boxed{19}$$

$$\boxed{18} + \boxed{1} = \boxed{19}$$

$$\boxed{19} - \boxed{1} = \boxed{18}$$

$$\boxed{19} - \boxed{18} = \boxed{1}$$

14.



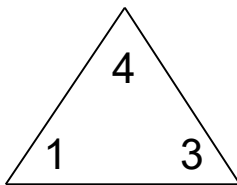
$$\boxed{1} + \boxed{17} = \boxed{18}$$

$$\boxed{17} + \boxed{1} = \boxed{18}$$

$$\boxed{18} - \boxed{1} = \boxed{17}$$

$$\boxed{18} - \boxed{17} = \boxed{1}$$

15.



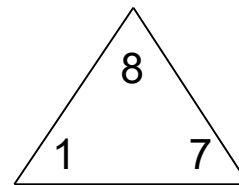
$$\boxed{1} + \boxed{3} = \boxed{4}$$

$$\boxed{3} + \boxed{1} = \boxed{4}$$

$$\boxed{4} - \boxed{1} = \boxed{3}$$

$$\boxed{4} - \boxed{3} = \boxed{1}$$

16.



$$\boxed{1} + \boxed{7} = \boxed{8}$$

$$\boxed{7} + \boxed{1} = \boxed{8}$$

$$\boxed{8} - \boxed{1} = \boxed{7}$$

$$\boxed{8} - \boxed{7} = \boxed{1}$$