

Complete each family of facts.

1.

A triangle fact family diagram with 3 at the top vertex. The left side shows 1 and 2 as addends, and the right side shows 2 and 1 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 1 & + & 2 = 3 \\ 2 & + & 1 = 3 \\ 3 - 1 = 2 \\ 3 - 2 = 1 \end{array}$$

2.

A triangle fact family diagram with 12 at the top vertex. The left side shows 10 and 2 as addends, and the right side shows 2 and 10 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 10 & + & 2 = 12 \\ 2 & + & 10 = 12 \\ 12 - 10 = 2 \\ 12 - 2 = 10 \end{array}$$

3.

A triangle fact family diagram with 12 at the top vertex. The left side shows 2 and 10 as addends, and the right side shows 10 and 2 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 2 & + & 10 = 12 \\ 10 & + & 2 = 12 \\ 12 - 2 = 10 \\ 12 - 10 = 2 \end{array}$$

4.

A triangle fact family diagram with 11 at the top vertex. The left side shows 10 and 1 as addends, and the right side shows 1 and 10 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 10 & + & 1 = 11 \\ 1 & + & 10 = 11 \\ 11 - 10 = 1 \\ 11 - 1 = 10 \end{array}$$

5.

A triangle fact family diagram with 9 at the top vertex. The left side shows 7 and 2 as addends, and the right side shows 2 and 7 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 7 & + & 2 = 9 \\ 2 & + & 7 = 9 \\ 9 - 7 = 2 \\ 9 - 2 = 7 \end{array}$$

6.

A triangle fact family diagram with 9 at the top vertex. The left side shows 8 and 1 as addends, and the right side shows 1 and 8 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 8 & + & 1 = 9 \\ 1 & + & 8 = 9 \\ 9 - 8 = 1 \\ 9 - 1 = 8 \end{array}$$

7.

A triangle fact family diagram with 18 at the top vertex. The left side shows 10 and 8 as addends, and the right side shows 8 and 10 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 10 & + & 8 = 18 \\ 8 & + & 10 = 18 \\ 18 - 10 = 8 \\ 18 - 8 = 10 \end{array}$$

8.

A triangle fact family diagram with 16 at the top vertex. The left side shows 7 and 9 as addends, and the right side shows 9 and 7 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 7 & + & 9 = 16 \\ 9 & + & 7 = 16 \\ 16 - 7 = 9 \\ 16 - 9 = 7 \end{array}$$

9.

A triangle fact family diagram with 17 at the top vertex. The left side shows 8 and 9 as addends, and the right side shows 9 and 8 as addends. Below the triangle are four equations in boxes:

$$\begin{array}{rcl} 8 & + & 9 = 17 \\ 9 & + & 8 = 17 \\ 17 - 8 = 9 \\ 17 - 9 = 8 \end{array}$$