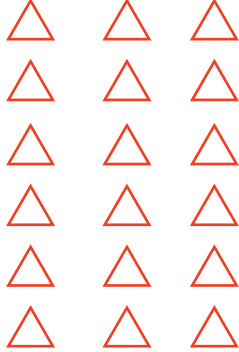


Multiplication and Division: How Do the Numbers Relate?

Directions: Circle the number that does not belong in the multiplication and division fact family. Then, write an explanation and draw a picture to show how the three other numbers relate to each other. The first problem has been done as an example.

16 6 18	3
<p>Explanation: The number <u>16</u> does not belong in this fact family because <u>six times three does not equal 16</u>. One multiplication fact that can be built from these numbers is <u>$6 \times 3 = 18$</u>. The inverse operation of this fact is <u>$18 \div 6 = 3$</u>. Another multiplication/division fact from these numbers is <u>$3 \times 6 = 18$</u>.</p>	<p>Drawing:</p> 
28 4 7	9
<p>Explanation: The number <u>9</u> does not belong in this fact family because <u>you can't multiply 9 by anything to get the product of 28</u>. One multiplication fact that can be built from these numbers is <u>$4 \times 7 = 28$</u>. The inverse operation of this fact is <u>$28 \div 7 = 4$</u>. Another multiplication/division fact from these numbers is <u>$7 \times 4 = 28$</u>.</p>	<p>Drawing: Student drawings will vary.</p>
4 20 5	10
<p>Explanation: The number <u>10</u> does not belong in this fact family because <u>10 times 4 is 40 while 10 times 5 is 50</u>. One multiplication fact that can be built from these numbers is <u>$4 \times 5 = 20$</u>. The inverse operation of this fact is <u>$20 \div 5 = 4$</u>. Another multiplication/division fact from these numbers is <u>$20 \div 4 = 5$</u>.</p>	<p>Drawing: Student drawings will vary.</p>

Multiplication and Division: How Do the Numbers Relate?

56	8	6	7
<p>Explanation: The number <u>6</u> does not belong in this fact family because <u>you cannot multiple 6 by any whole number to get 56</u>. One multiplication fact that can be built from these numbers is <u>$8 \times 7 = 56$</u>. The inverse operation of this fact is <u>$56 \div 7 = 8$</u>. Another multiplication/division fact from these numbers is <u>$7 \times 8 = 56$</u>.</p>	<p>Drawing:</p> <p>Student drawings will vary.</p>		
12	14	132	11
<p>Explanation: The number <u>14</u> does not belong in this fact family because <u>132 can't be divided by 14 to get a whole number</u>. One multiplication fact that can be built from these numbers is <u>$12 \times 11 = 132$</u>. The inverse operation of this fact is <u>$132 \div 12 = 11$</u>. Another multiplication/division fact from these numbers is <u>$11 \times 12 = 132$</u>.</p>	<p>Drawing:</p> <p>Student drawings will vary.</p>		
48	52	6	8
<p>Explanation: (use your own words)</p> <p>Student explanations will vary.</p>	<p>Drawing:</p> <p>Student drawings will vary.</p>		