|  |  |
| --- | --- |
| http://math.rice.edu/~lanius/images/hex.gif  | http://math.rice.edu/~lanius/images/tri.gifhttp://math.rice.edu/~lanius/images/parallel.gif |
| http://math.rice.edu/~lanius/images/trap.gif |

## No Matter What Shape Your Fractions are In

|  |  |
| --- | --- |
| Exploring the Shapes1. Can you name the 4 geometric figures (the shapes) above?
2. Colour the four shapes on the triangle grid.

  | http://math.rice.edu/~lanius/images/smtria.gif |

### Determining the Relations

Use the figures you coloured to answer the following questions.

1. How many    are in  ?
2. How many   are in     ?
3. How many    are in     ?
4. How many   are in     ?
5. How many   are in     ?
6. How many   are in     ?

**Based on these relations,**

1. If         = 1,         = \_\_\_ .
2. If        = 1,         = \_\_\_ .
3. If        = 1,     = \_\_\_ .
4. If        = 1,     = \_\_\_ .

**Let's do some *really* fun ones.**

1. If     +     = 1,   what is   ?
2. If     +     = 1,  what is   + ?
3. If     +     = 1,   what is   + ?
4. If     +     = 1,  what is   ?
5. If     **-**     = 1,   what is + ?
6. If     +     = 2/3,   what is   1?
7. If     +     = 4/5,  what is   2/5?
8. If     +     = 3/4,   what is   1/2?
9. If     +     = 5/8,  what is   3/4?
10. If     **-**     = 1 1/3,   what is 2/3 ?