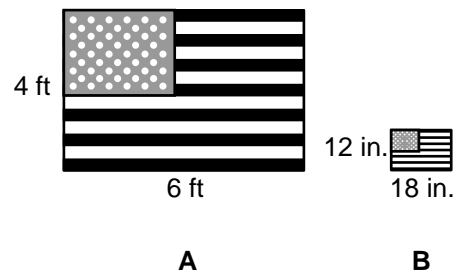


Congruence and Similarity

Binoculars A pair of binoculars has a magnification of 6 times the actual viewing size.

1. Will the item viewed through the binoculars be congruent to the item viewed with the naked eye? _____
2. Will it be similar? _____
3. If an object is actually an inch and a half tall, how tall should the image appear to be when you look through the binoculars? _____

Flags American flags are made in many sizes for ceremonies and everyday display. Two of the most commonly sold sizes are shown.



4. Are the two flags congruent? _____
5. Are the two flags similar? _____

6. **Writing in Math** One of the more popular sizes for flags flown at government buildings has a width of 20 ft. If the flag is going to be similar to the other two, what should the length of the flag be? Explain how you found the answer.
