Length (inches)

William is picking a bookshelf for his room. There is a brown shelf that is 15 inches tall, a white shelf that is 12 inches tall and a black shelf that is 20 inches tall.

1. Which shelf is the tallest?

2. If he stacks the brown shelf on top of the white shelf, how tall will the shelves be?

3. He only has room for a shelf that is 18 inches or shorter. Which shelf cannot fit?

4. If he wants to stack the new shelf on top of an old shelf that is 6 inches tall, which shelf can fit?

5. Compared to the black shelf, how much shorter is the white shelf?

6. Would two white shelves stacked on top of each other be taller than one black shelf?
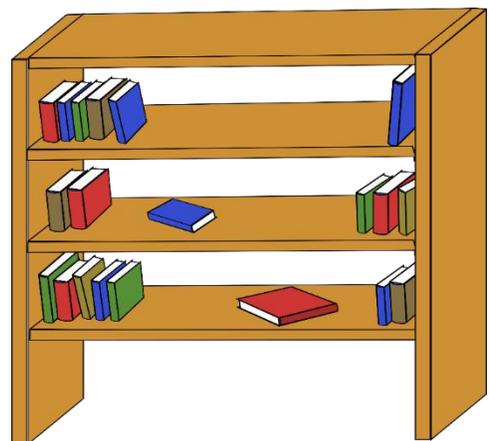
Answers

1. The black shelf is the tallest.

2. 15 + 12 = 27
    The shelves will be 27 tall.

3. The black shelf cannot fit.

4. The white shelf can fit.

5. 20 – 12 = 8
    The white shelf is 8 inches shorter than the black shelf.

6. 12 + 12 = 24
    Two white shelves are 24 inches tall which is taller than one black shelf.