Exercise 18

Properties of Real Numbers State the property of real numbers being used.

$$7(a + b + c) = 7(a + b) + 7c$$

Solution

A combination of properties is being used here.

$$7(a + b + c)$$

Use the associative property of addition.

$$7[(a + b) + c]$$

Then use the distributive property.

$$7(a + b) + 7c$$