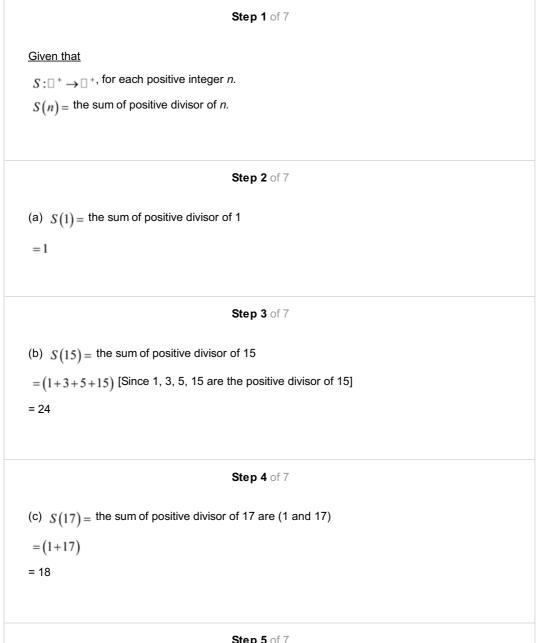
### Chapter 7.1, Problem 9E

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Define a function	n S: $Z^+ \rightarrow Z^+$ as follows: For each positive integer <i>n</i> ,
S(n) = the sum of	f the positive divisors of <i>n</i> .
Find the following	ng:
a. <i>S</i> (1)	
b. <i>S</i> (15)	
c. S(17)	
d. <i>S</i> (5)	
e. <i>S</i> (18)	
f. S(21)	

**Step-by-step solution** 



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(d) S(5) = the sum of positive divisor of 5 = (1+5) [Since 1 and 5 are only] = 6

### Step 6 of 7

(e) S(18) = the sum of positive divisor of 18 = (1+2+3+6+9+18)= 39

### **Step 7** of 7

(f) S(21) = the sum of positive divisor of 21 = (1+3+7+21)

= 32

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