Q40. There is a CPU whose clock cycle time is 0.01 microsecond. The table below shows a program's instruction mix executed on the CPU. What is the approximate MIPS value for the processor?

Type of instruction	Number of clock cycles required for instruction execution	Frequency of occurrence
Data transfer instructions	5	70%
Calculation instructions	10	15%
Decision instructions	5	10%
Jump instruction	1	5%
Total		100%

a) 4.76   b) 10.30   c) 18.02   d) 20.70