



8. Matt black paint absorbs 97% of light, the remainder being reflected. Scientists have developed a new superblack coating, “10 times blacker” than matt black paint, meaning that it reflects  $\frac{1}{10}$  of the light reflected by matt black paint. What percentage of light does the new coating absorb?
- A 9.7                      B 90.3                      C 99.7                      D 99.9                      E 970

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8.    C    Matt black paint reflects 3% of light, so the superblack paint reflects only 0.3% of light. Hence it absorbs 99.7% of light.