

If you start at a certain distance from a light source and then move to twice as far away, how much more or less light do you receive?

- a) You receive half the light you did before
- b) You receive one quarter of the light you did before
- c) You receive twice the light you did before
- d) You receive four times the light you did before

If you start at a certain distance from a light source and then move three times closer, how much more or less light do you receive?

- a) You receive one third the light you did before
- b) You receive one ninth of the light you did before
- c) You receive three times the light you did before
- d) You receive nine times the light you did before