Checking a Dye Test With a Known Addition

Scoring guide · one credit per question · review written work against each rubric

Checking a Dye Test With a Known Addition

Question 1

Choice (1)

P rises by four signal units and Q rises by two.

Question 2

P gives (10 − 6)/2 = 2 signal units per dye unit. Q gives (8 − 6)/2 = 1 signal unit per dye unit.

Question 3

P’s starting signal of six represents 6/2 = 3 dye units. Q’s signal of six represents 6/1 = 6 dye units. Equal signals correspond to different amounts here.

Question 4

Q gives one extra signal unit per added dye unit. Adding two raises the signal from five to seven.