Reasoning and Problem Solving — Find a Quarter of a Quantity

1a. Emma thinks she has coloured in one quarter of the cubes. Is she right?	1b. James thinks he has coloured in one quarter of the cubes. Is he right?
How do you know? ☆	How do you know?
2a. Pirate Pete wants to put one quarter of his gold coins in his treasure chest. I'm going to put 1 of these coins in my treasure chest.	2b. Pirate Polly wants to put one quarter of her gems in her treasure chest. I'm going to put 4 of these gems in my treasure chest.
What mistake is Pirate Pete making?	What mistake is Pirate Polly making?
3a. How many different ways can you shade one quarter of the shapes?	3b. How many different ways can you shade one quarter of the shapes?
1 PS	☆ 1 P