



## Activity 2 Answers

For each of these example questions work through and decide:

- (a) Is it a mathematical reasoning – in the sense defined in the powerpoint?
- (b) If so, what are the properties that make it a mathematical reasoning question?  
  
(making deductions and drawing conclusions, constructing chains of reasoning, presenting arguments and proofs, interpreting and communicating information accurately)

### Jan 2019 4MA1 2F

- 18** (a) Yes
- (b) Communicating information accurately

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- 23** (a) Yes, are you surprised?
- (b) The statement 'Show clear algebraic working' puts it in reasoning – communicating (here it's crucial to show method otherwise there are no marks)

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- 3** (a) No and Yes
- (b) The second part has 'Explain' so it's in the communication area again.

### Jan 2019 4MA1 2H

- 20** (a) Yes
- (b) As this is a 'Prove' question, it must involve reasoning.  
There is also an element of problem solving involved.

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- 21** (a) No
- (b) This looks more like a problem.