

# CPU cores

## Worksheet 1

- 1 Suggest a reason why manufacturers are finding it difficult to produce processors with clock speeds over 5GHz.

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- 2 What is the difference between a multi processor system and a multi core system?

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- 3 List *two* advantages of a multi core processor over a single core one.

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- 4 Find the common names used by manufacturers for processors having the following number of cores.

Number of cores	Common names
1	single-core
2	
4	
5	
8	
10	

- 5 Explain why all programs cannot be run twice as fast with a dual core processor than with a single core one.

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