Which of the following is not a part of maths model?

1. A maths formula
2. A picture
3. A maths equation
4. A variable  
   ANSWER: B

Which one of the following statements least describes an objective of mathematical modelling?

1. A mathematical equation
2. Test the effect of changes in a system
3. Aid decision making
4. Developing scientific understanding

ANSWER: A

Which one of the following is not an example of a maths model?

1. Simple maths model
2. Physical model
3. Temperature conversion model
4. Growth model equation

ANSWER: B

A graph is a visual maths model?

1. True
2. False

ANSWER: A

Why do we use Maths Models? Select the statement that least answers this question.

1. Models allow us to clarify and test understanding
2. Models simplify and solve problems
3. Models create confusion
4. Models help you understand your data

ANSWER: C

Which of the following would be most relevant in Mathematical Modelling?

1. A calculator
2. A scientific definition
3. A mathematical equation
4. Graph paper

ANSWER: C

Which of the following would not be used in a Maths Model?

1. Simple interest formula
2. Growth formula
3. The equation of a line
4. A non-maths related statement

ANSWER: D

Which one of the following subject areas is least likely to employ Mathematical Modelling in the real-world?

1. Science
2. Business
3. Art
4. Economics

ANSWER: C

Using the following conversion factor (1mile = 1.6093km). How many km is equivalent to 20 miles?

1. 32.186km
2. 12.477km
3. 20.6093km
4. 16.0.93km

ANSWER: A

One number is 5 more than another. Twice the larger is 12 less than 3 times the smaller. Find the numbers.

1. 17, 22
2. 27, 32
3. 22, 27
4. 6, 18

ANSWER: C