

## KS3 English Quiz - Words Used in Maths 01 (Questions)

**Perimeter and prime number are words predominantly used in Maths.** Like other subjects, or fields of knowledge, Maths uses various English words in a specialised manner that you need to know in order to learn the subject.

Many of these words hold meanings similar to general usage, although you wouldn't want to confuse the maths terminology with the every day understanding of a word. One example is "face". The most common meaning of the term is that part of the body where the eyes, nose and mouth are located, but in maths, of course, a "face" is a flat surface of a 3D object. You can see how the two definitions are related, but it is important to bear the differences in mind, too.

How much mathematical vocabulary do you know? Geometrical terms include angle, line, plane, axis, circumference, radius, vertices, acute, obtuse, pi, parallel, perpendicular, etc. Vocabulary necessary for calculations includes numerator, denominator, fraction, decimal, quotient, product, square, square root, divisible, etc. Many mathematical terms come from other languages, such as Latin and Greek.

Have a go at this quiz to get you up to speed with mathematical terms and spelling.

**1. Choose the correct meaning for the following word(s).**

**Diameter**

- Straight line a part of the way across a circle
- Straight line a quarter of the way across a circle
- Straight line halfway across the middle of a circle
- Straight line right across the middle of a circle

**2. Choose the correct meaning for the following word(s).**

**Circumference**

- Distance all round the edge of a circle
- Distance halfway round the edge of a circle
- Distance part of the way round the edge of a circle
- Distance quarter of the way round the edge of a circle

**3. Choose the correct meaning for the following word(s).**

**Perimeter**

- All round the edge of a shape
- Halfway round the edge of a shape
- Part of the way round the edge of a shape
- Quarter of the way round the edge of a shape

**4. Choose the correct meaning for the following word(s).**

**Concave**

- Curving inwards
- Curving left
- Curving outwards
- Curving right

5. Choose the correct meaning for the following word(s).

**Convex**

- Curving inwards
- Curving left
- Curving outwards
- Curving right

6. Choose the correct meaning for the following word(s).

**Quotient**

- Result of adding one number to another
- Result of dividing one number by another
- Result of multiplying one number by another
- Result of subtracting one number from another

7. Choose the correct meaning for the following word(s).

**Prime number**

- Number divisible only by itself and one
- Number divisible only by itself and two
- Number divisible only by itself and three
- Number divisible only by itself and four

8. Choose the correct meaning for the following word(s).

**Integer**

- One letter
- One whole number
- The whole
- The whole range of letters

9. Choose the correct meaning for the following word(s).

**Product**

- Result of adding two or more numbers
- Result of dividing two or more numbers
- Result of multiplying two or more numbers
- Result of subtracting two or more numbers

10. Choose the correct meaning for the following word(s).

**Perpendicular**

- At a reflex angle to a line
- At a right angle to a line
- At an acute angle to a line
- At an obtuse angle to a line

## KS3 English Quiz - Words Used in Maths 01 (Answers)

1. Choose the correct meaning for the following word(s).

**Diameter**

- Straight line a part of the way across a circle
- Straight line a quarter of the way across a circle
- Straight line halfway across the middle of a circle
- Straight line right across the middle of a circle

Don't confuse "diameter" with "radius" (half diameter)

2. Choose the correct meaning for the following word(s).

**Circumference**

- Distance all round the edge of a circle
- Distance halfway round the edge of a circle
- Distance part of the way round the edge of a circle
- Distance quarter of the way round the edge of a circle

The latin prefix circum- means "round"

3. Choose the correct meaning for the following word(s).

**Perimeter**

- All round the edge of a shape
- Halfway round the edge of a shape
- Part of the way round the edge of a shape
- Quarter of the way round the edge of a shape

The greek prefix peri- means "round"

4. Choose the correct meaning for the following word(s).

**Concave**

- Curving inwards
- Curving left
- Curving outwards
- Curving right

A cave curves inwards!

5. Choose the correct meaning for the following word(s).

**Convex**

- Curving inwards
- Curving left
- Curving outwards
- Curving right

"Convex" is the opposite of "concave"

6. Choose the correct meaning for the following word(s).

**Quotient**

- Result of adding one number to another
- Result of dividing one number by another
- Result of multiplying one number by another
- Result of subtracting one number from another

The quotient of 4 divided by 2 is 2!

7. Choose the correct meaning for the following word(s).

**Prime number**

- Number divisible only by itself and one
- Number divisible only by itself and two
- Number divisible only by itself and three
- Number divisible only by itself and four

Some examples of prime numbers are 3, 5, 7, 11, 13

8. Choose the correct meaning for the following word(s).

**Integer**

- One letter
- One whole number
- The whole
- The whole range of letters

"Integer" means "whole number" (not a fraction)

9. Choose the correct meaning for the following word(s).

**Product**

- Result of adding two or more numbers
- Result of dividing two or more numbers
- Result of multiplying two or more numbers
- Result of subtracting two or more numbers

The product of 2 x 2 is 4

10. Choose the correct meaning for the following word(s).

**Perpendicular**

- At a reflex angle to a line
- At a right angle to a line
- At an acute angle to a line
- At an obtuse angle to a line

Make sure you can spell "perpendicular" correctly