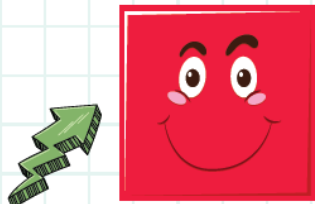



## Appendix 4.0

Basic 2D shapes and their properties include:



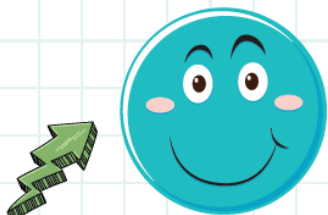
### Square

- Sides: 4
- Corners: 4
- Angles: 4 (all right angles)
- Lines of Symmetry: 4  
(2 diagonal lines and 2 horizontal/vertical lines)



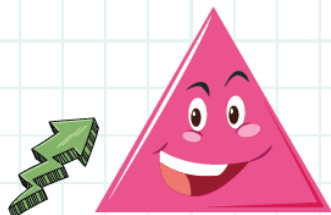
### Rectangle

- Sides: 4
- Corners: 4
- Angles: 4 (all right angles)
- Lines of Symmetry: 2  
(1 horizontal and 1 vertical)




### Circle

- Sides: 0 (no straight sides)
- Corners: 0
- Angles: Infinite (all angles are 0 degrees)
- Lines of Symmetry: Infinite  
(infinite lines of symmetry through the center)



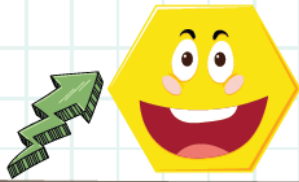
### Triangle

- Sides: 3
- Corners: 3
- Angles: 3
- Lines of Symmetry: 3  
(1 line of symmetry for each side)



### Pentagon

- Sides: 5
- Corners: 5
- Angles: 5
- Lines of Symmetry: 5  
(1 line of symmetry for each side)



## Hexagon

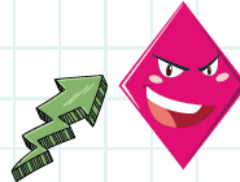
Sides: 6

Corners: 6

Angles: 6

Lines of Symmetry: 6

(1 line of symmetry for each side)



## Rhombus (diamond)

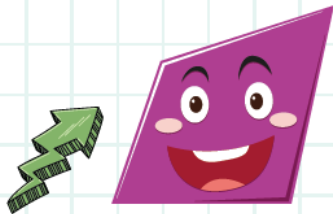
Sides: 4

Corners: 4

Angles: 4 (all equal)

Lines of Symmetry: 2

(2 diagonal lines of symmetry)



## Trapezoid

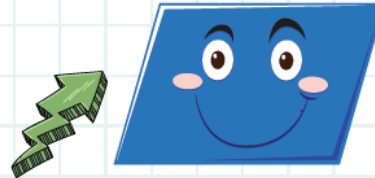
Sides: 4

Corners: 4

Angles: 4

Lines of Symmetry: 0

(no lines of symmetry)



## Parallelogram

Sides: 4

Corners: 4

Angles: 4

Lines of Symmetry: 0

(no lines of symmetry)

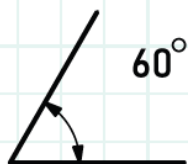
## Appendix 3.1

An angle has two rays (sides) and one vertex. We measure the angles using a protractor.

Different types of angles include:

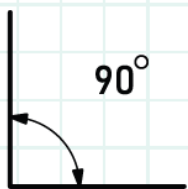
Acute Angle:

An angle that measures less than 90 degrees.



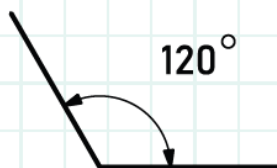
Right Angle:

An angle that measures exactly 90 degrees. It forms a perfect "L" shape.



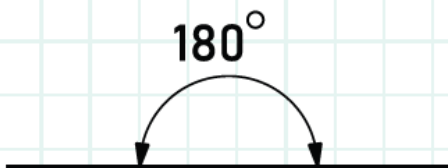
Obtuse Angle:

An angle that measures more than 90 degrees but less than 180 degrees.



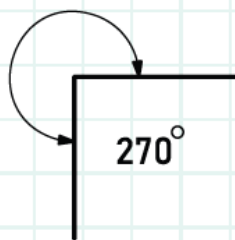
Straight Angle:

An angle that measures exactly 180 degrees. It forms a straight line.



Reflex Angle:

An angle that measures more than 180 degrees but less than 360 degrees.



*In figures:* 5,876,392



*In Words*

Five million eight hundred seventy-six thousand three hundred ninety-two

*In figures:* 24,921,463



*In Words*

Twenty-four million nine hundred twenty-one thousand four hundred sixty-three

*In figures:* 832,247,589

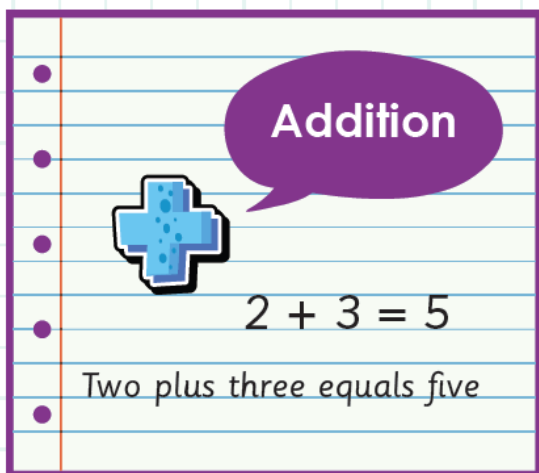


*In Words*

Eight hundred thirty-two million two hundred forty-seven thousand five hundred eighty-nine

# Math equations

We read basic math equations as below:

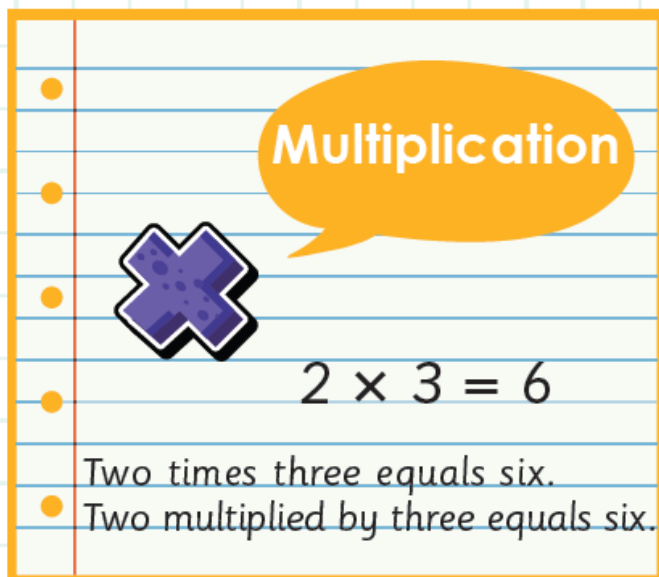


A purple speech bubble with the word "Addition" is positioned above a blue plus sign. Below the plus sign is the equation  $2 + 3 = 5$ . At the bottom, the text "Two plus three equals five" is written. The entire content is enclosed in a purple rectangular frame with a vertical red line on the left and horizontal blue lines.

Addition

$2 + 3 = 5$

Two plus three equals five



An orange speech bubble with the word "Multiplication" is positioned above a purple multiplication sign. Below the multiplication sign is the equation  $2 \times 3 = 6$ . At the bottom, two lines of text are written: "Two times three equals six." and "Two multiplied by three equals six." The entire content is enclosed in an orange rectangular frame with a vertical red line on the left and horizontal blue lines.

Multiplication

$2 \times 3 = 6$

Two times three equals six.

Two multiplied by three equals six.

## Division



$$4 \div 2 = 2$$

Four divided by two equals two.

## Subtraction



$$8 - 4 = 2$$

Eight minus four equals two.