

# W O R D MATHS E A R C H R E V I S I O N S



# Thank you!

*Thanks for downloading these excellent maths wordsearches from Great Maths Teaching Ideas!*

*These resources focus on consolidating understanding of key concepts in GCSE mathematics and improving literacy through using correct mathematical vocabulary. In addition to a wordsearch, you will see on most of the resources that I ask the pupils to 'explain the meaning' of the hidden words or to 'give examples'. The aim is that whilst doing a fun wordsearch, the students will also have to explain the key conceptual mathematical ideas, putting them into their own words. This ensures the learners are reflective thinkers and also promotes independent learning skills through them having to research and summarise key ideas. The resources make great revision tools.*

*The wordsearches span the length and breadth of the GCSE mathematics curriculum. There is a 'Mega Maths Wordsearch' towards the back of the collection that brings together key concepts from across the whole curriculum. I have found this a useful resource for revision lessons where the pupils identify the hidden words and then describe their meaning. A bit of healthy competition adds to the engagement! At the back of the collection is a 'Design Your Own Maths Wordsearch' resource that you may find useful if you want your class to be creative and reflect on the key terms of a topic.*

*Thanks again for downloading these resources and I hope you and your students get lots of quality learning experiences from them!*

# Copyright

*I want these resources to be available to as many teachers and students as want to use them. Hours of work went into the production of these resources and I do need to cover the cost of their production by charging a small fee for them.*

*Purchasing this resource from the [www.greatmathsteachingideas.com](http://www.greatmathsteachingideas.com) website entitles the buyer to use and reproduce these resources for educational use with their own classes. If other teachers would like to use these resources please ensure they purchase their own copy from the above website.*

*Thank you.*

# Contents

## **Wordsearches**

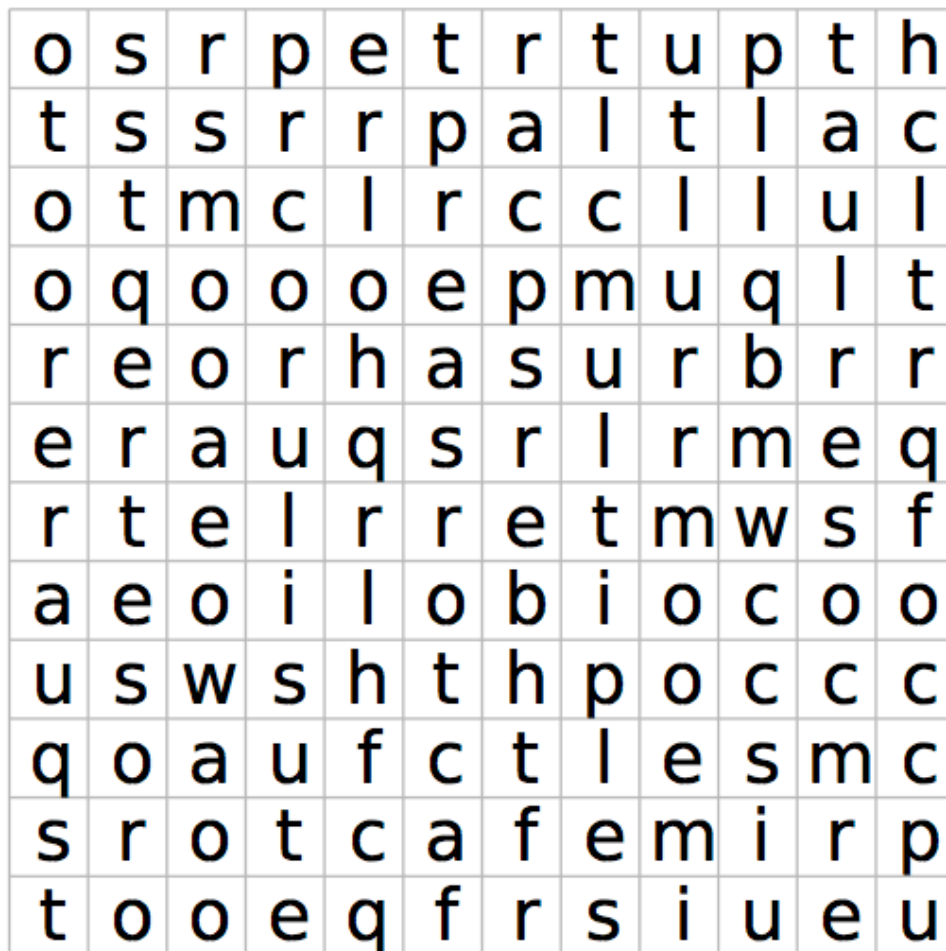
Exploring Numbers  
More Exploring Numbers  
Essential Algebra  
Advanced Algebra  
Angles  
2D Shapes  
3D Shapes  
Circles  
Mensuration  
Trigonometry  
Collecting Data  
Displaying Data  
Analysing Data  
Probability  
Mega Maths Wordsearch  
Design Your Own Maths Wordsearch

## **Answers**

# Exploring Numbers

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

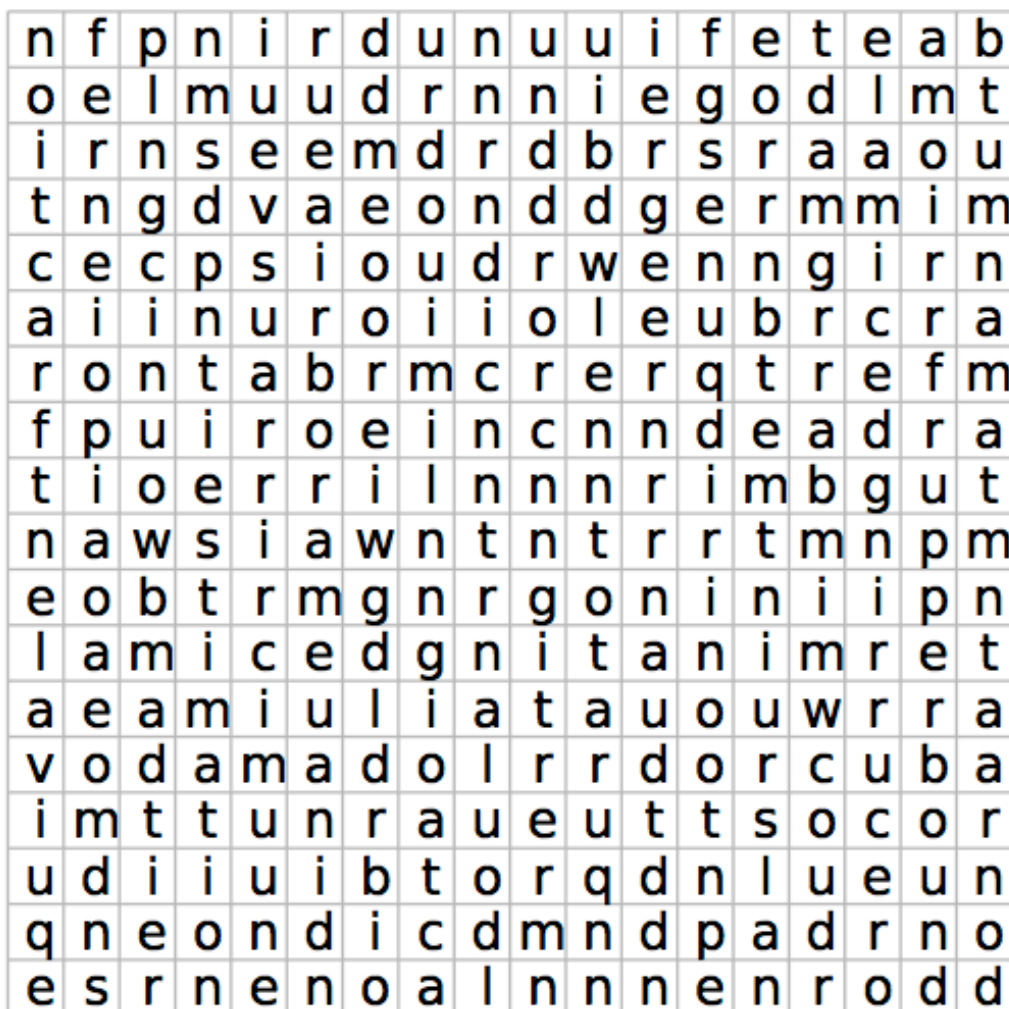


Hidden words	Meaning of the word or an example
Square	
Cube	
Square Root	
Power	
Factors	
Multiples	
Prime Factors	
HCF	
LCM	

# More Exploring Numbers

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

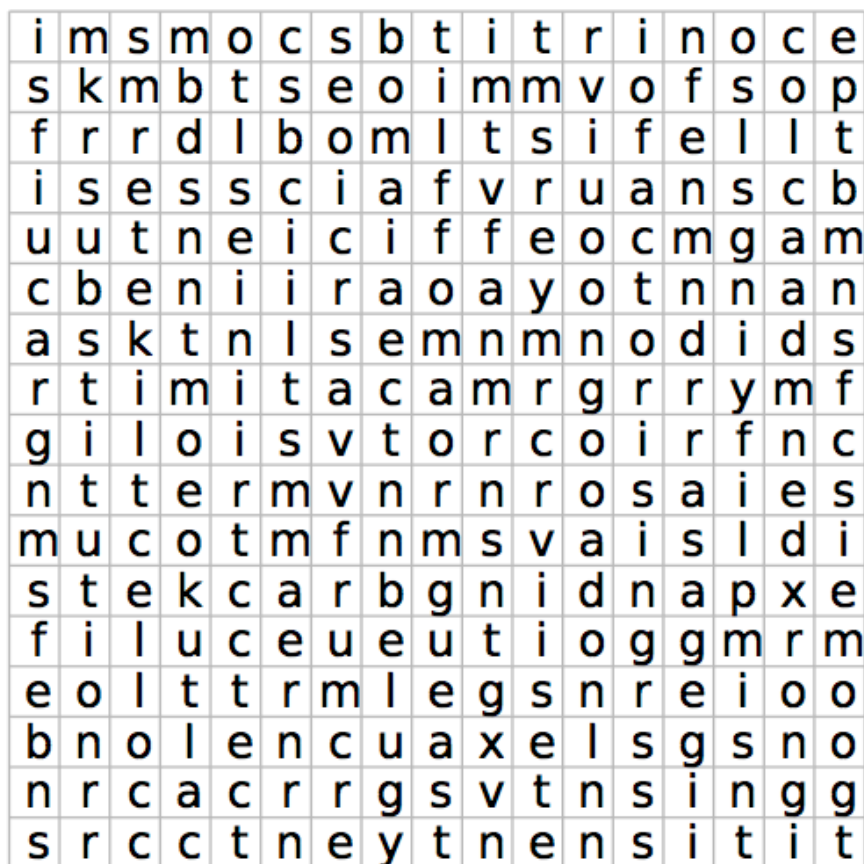


Hidden words	Meaning of the word or an example
Recurring Decimal	
Terminating Decimal	
Equivalent Fraction	
Surd	
Rounding	
Upper Bound	
Lower Bound	
Estimation	

# Essential Algebra

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.



Hidden words	Meaning of the word or an example
Evaluate	
Term	
Coefficient	
Expanding Brackets	
Simplifying	
Factorising	
Solve	
Substitution	
Rearranging	
Collect like terms	
Common factors	

# Advanced Algebra

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.



Hidden words	Meaning of the word or an example
Equation	
Expression	
Identity	
Formula	
Quadratic Equation	
Cubic Equation	
Completing The Square	
Factorisation	
Quadratic Formula	
Difference Of Two Squares	



# Angles

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.



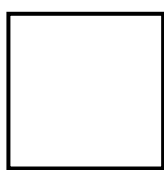
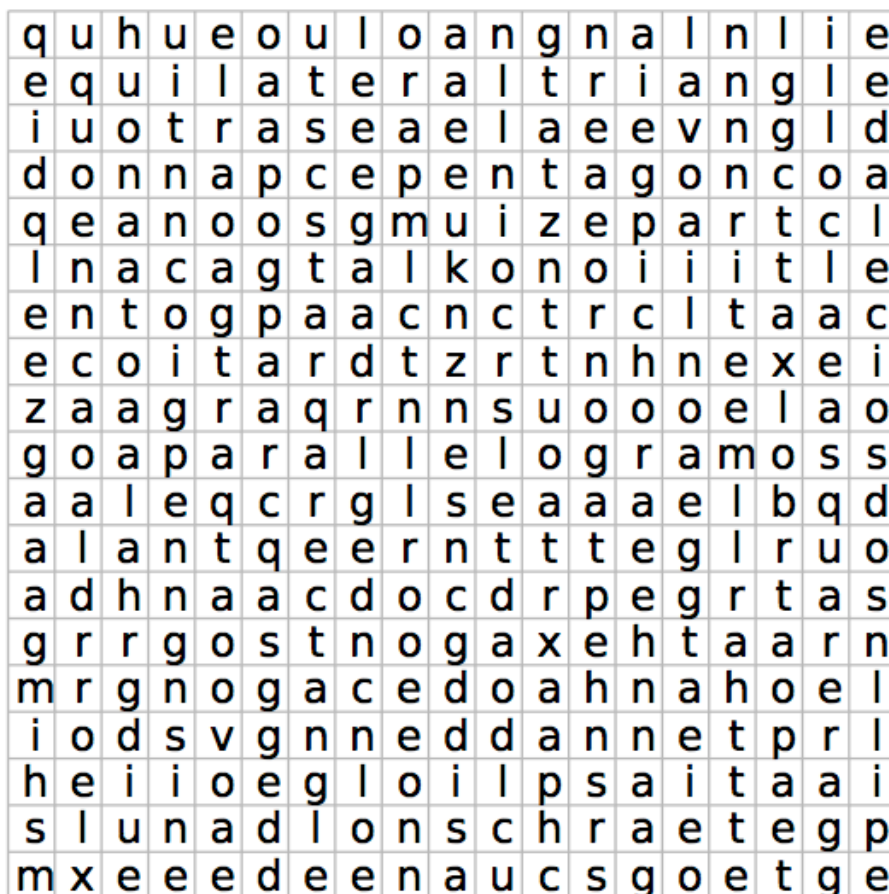
Hidden words	Meaning of the word or an example
Right Angle	
Acute Angle	
Obtuse Angle	
Reflex Angle	
Bearings	
Interior Angle	
Exterior Angle	
Alternate Angles	
Corresponding Angles	

# 2D Shapes

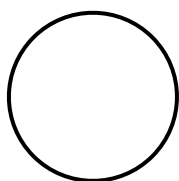
Name: \_\_\_\_\_

Write the names of the shapes below their pictures then find them in the wordsearch.

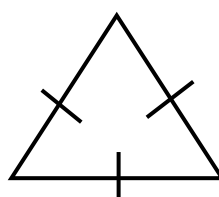
There are some more 2D shape names hidden in the wordsearch, how many can you find?



.....



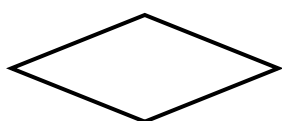
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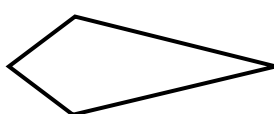
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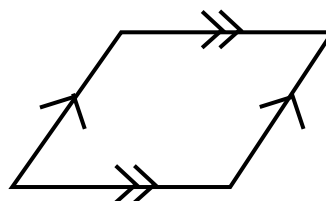
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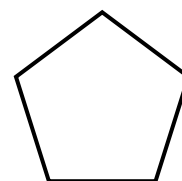
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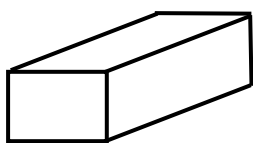
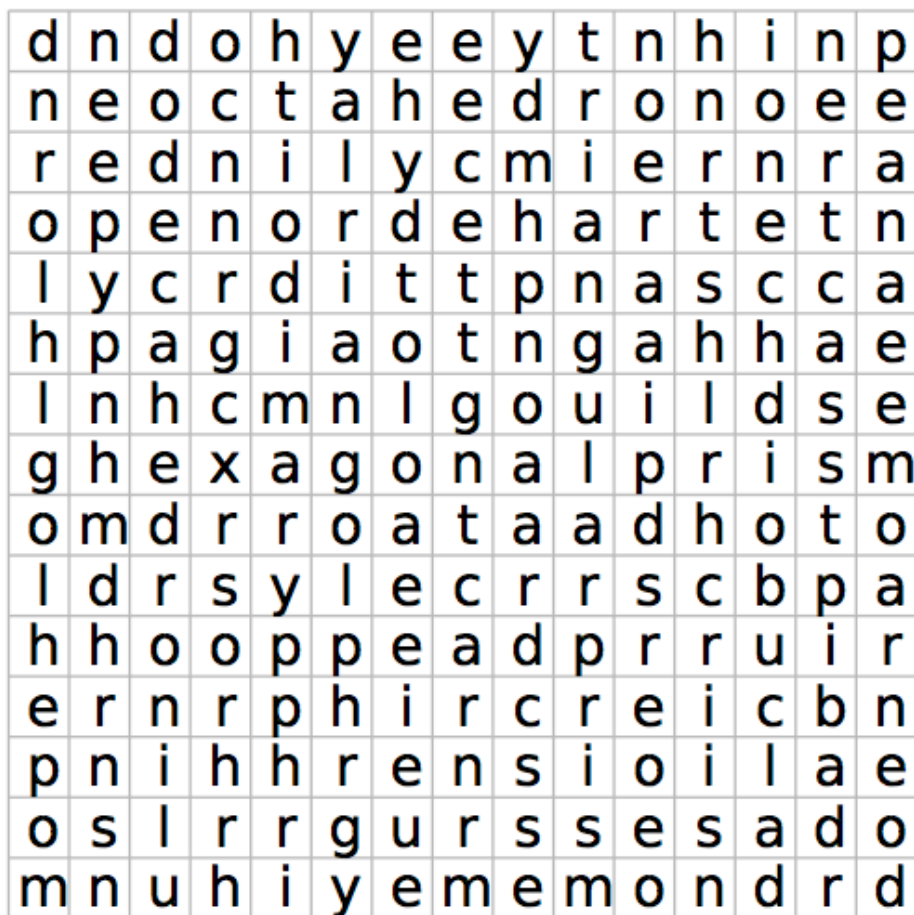
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# 3D Shapes

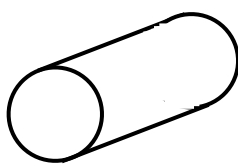
Name: \_\_\_\_\_

Write the names of the shapes below their pictures then find them in the wordsearch.

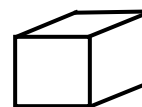
There are some more 3D shape names hidden in the wordsearch, how many can you find?



.....



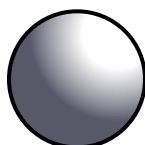
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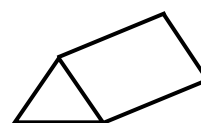
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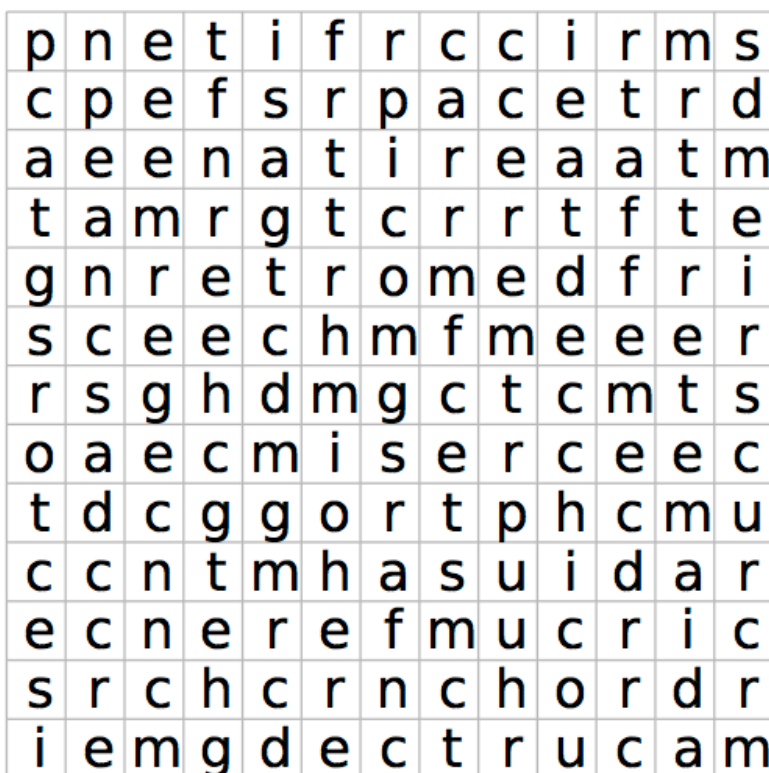


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# Circles

Name: \_\_\_\_\_

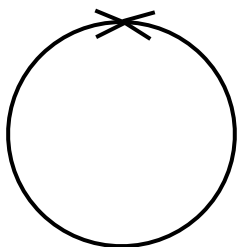
Name each part of the circle below and then find them in the wordsearch. Use the hints to help you.



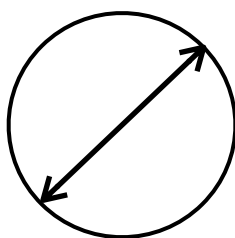
Bonus!

As a bonus can you find the word for the very special number that tells us how many times the diameter would fit into the circumference of the circle?

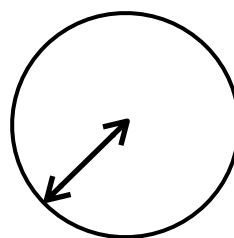
Perimeter of the circle



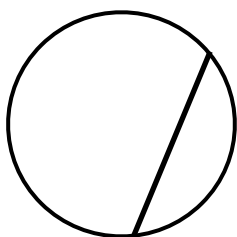
Length across passing through the centre



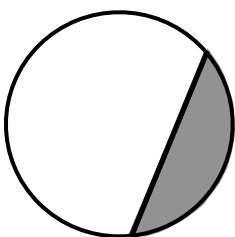
Length from centre to the edge



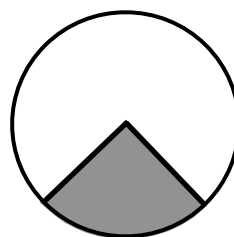
Line segment crossing a circle



Region beside a line through a circle



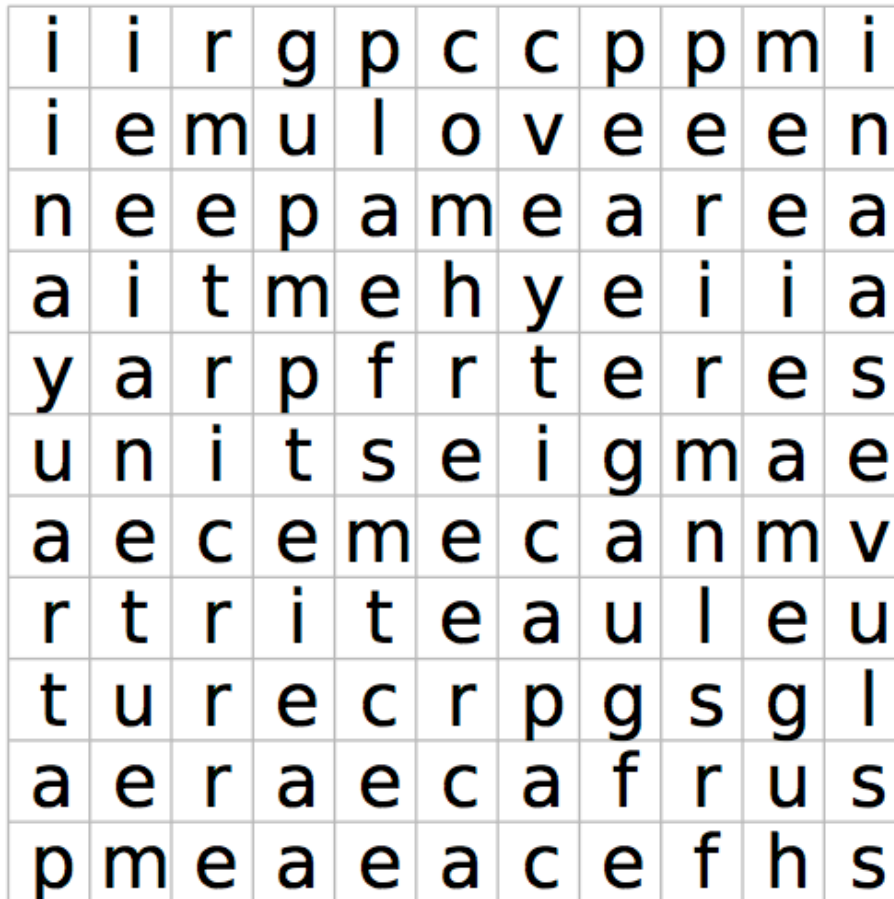
Region formed by the arc of a circle



# Mensuration

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

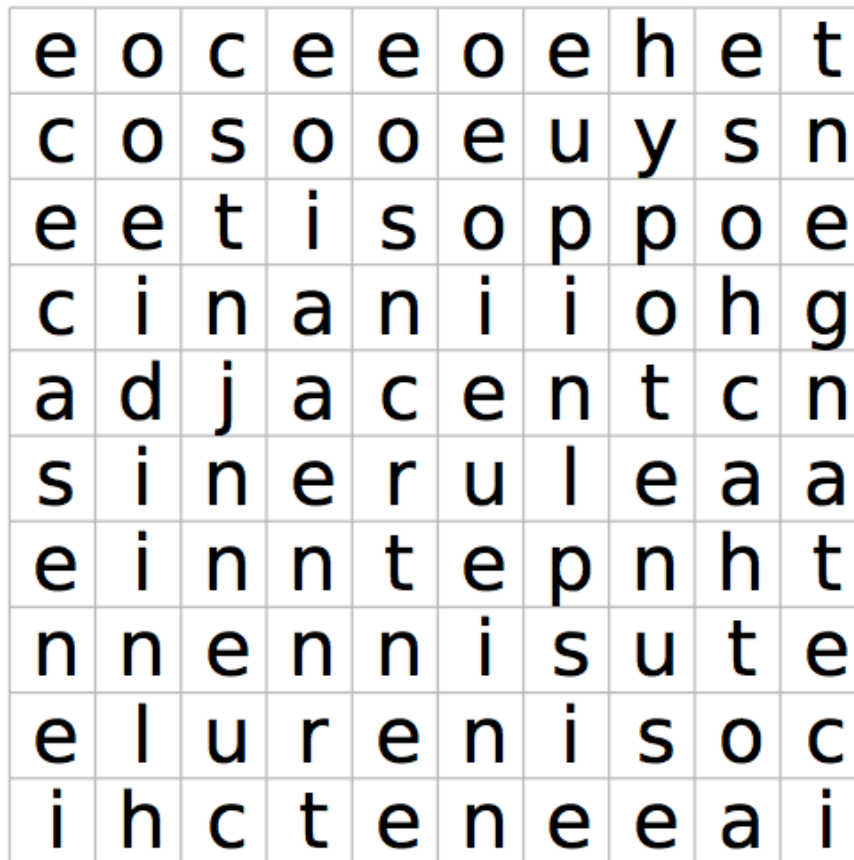


Hidden words	Meaning of the word or an example
Length	
Area	
Volume	
Surface Area	
Perimeter	
Units	
Capacity	
Imperial	
Metric	

# Trigonometry

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

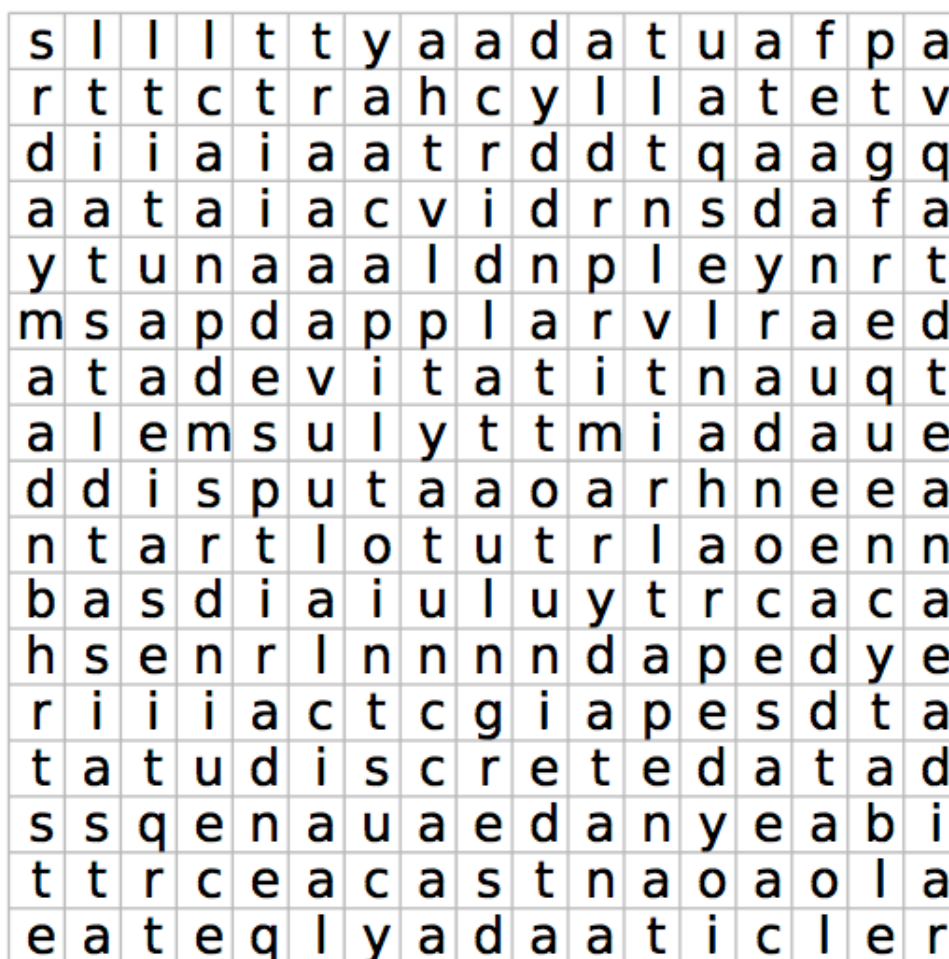


Hidden words	Meaning of the word or an example
Sine	
Cosine	
Tangent	
SOHCAHTOA	
Sine Rule	
Cosine Rule	
Opposite	
Adjacent	
Hypotenuse	

# Collecting Data

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

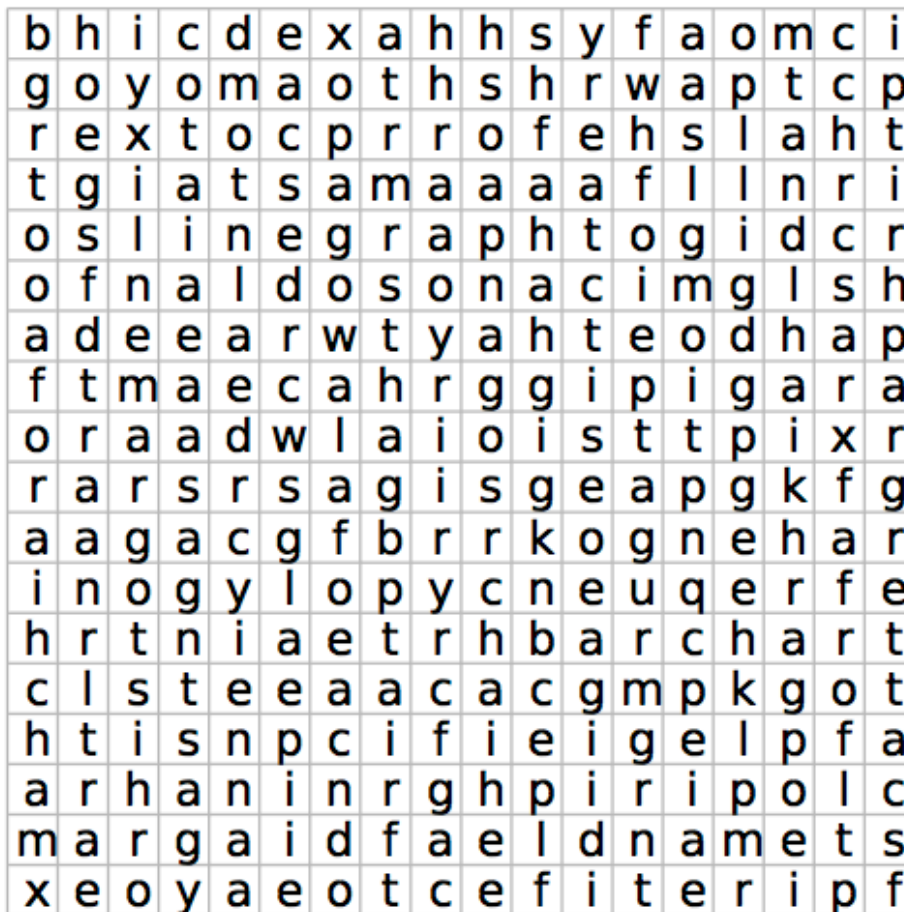


Hidden words	Meaning of the word or an example
Qualitative Data	
Quantitative Data	
Discrete Data	
Continuous Data	
Primary Data	
Secondary Data	
Tally Chart	
Frequency Table	
Sampling	

# Displaying Data

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below state whether you would use each graph/ chart for **qualitative data**, **quantitative data**, **both** or **neither**.



Remember:

## Qualitative Data

Data that isn't numbers like your favourite colour, your favourite TV programme or your pet's name.

## Quantitative Data

Data that is numbers like the ages of people in your class, the height of people in your family or how far you can jump.

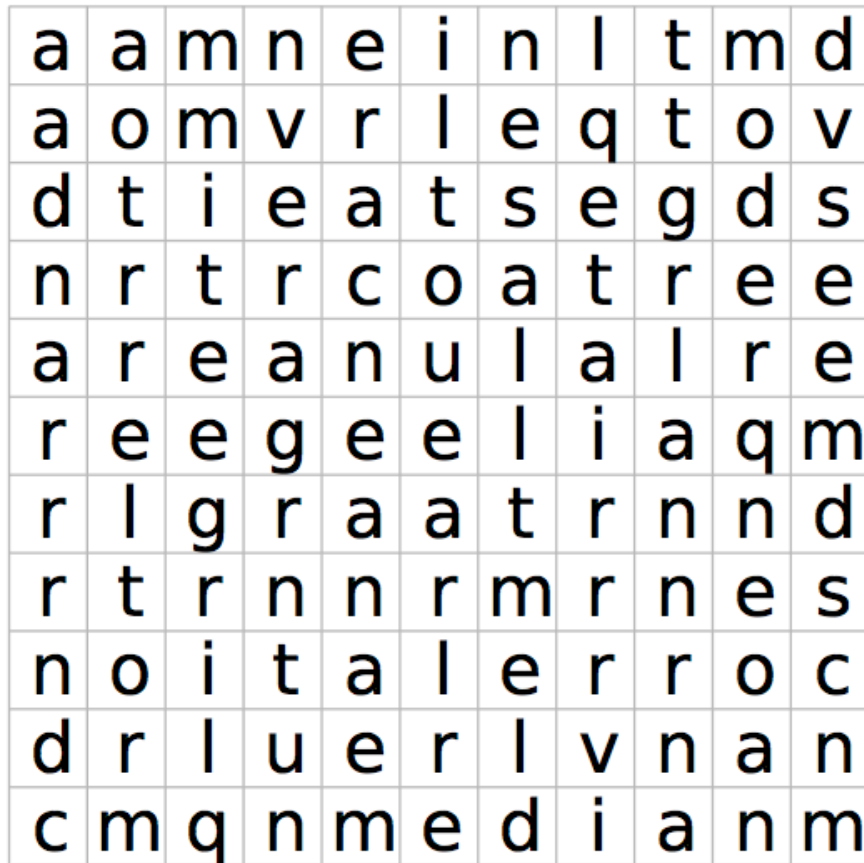
Hidden words	Qualitative data, quantitative data, both or neither?
Bar Chart	
Histogram	
Frequency Polygon	
Line Graph	
Scatter Graph	
Pie Chart	
Pictogram	
Stem and Leaf Diagram	
Box and Whisker Plot	



# Analysing Data

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.

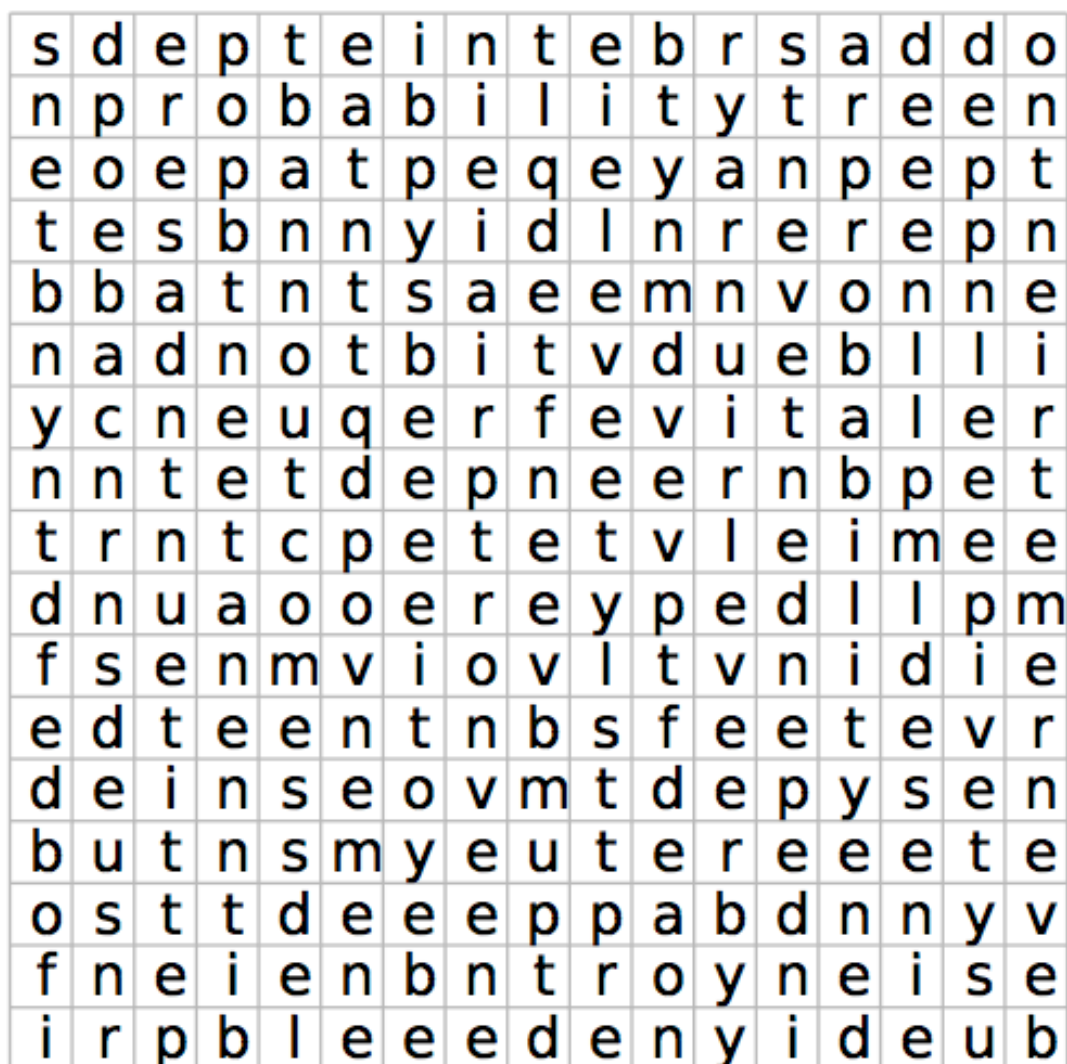


Hidden words	Meaning of the word or an example
Mean	
Median	
Mode	
Average	
Range	
Correlation	
Quartiles	

# Probability

Name: \_\_\_\_\_

Find the hidden words in the wordsearch then in the table below explain what they mean or give an example.



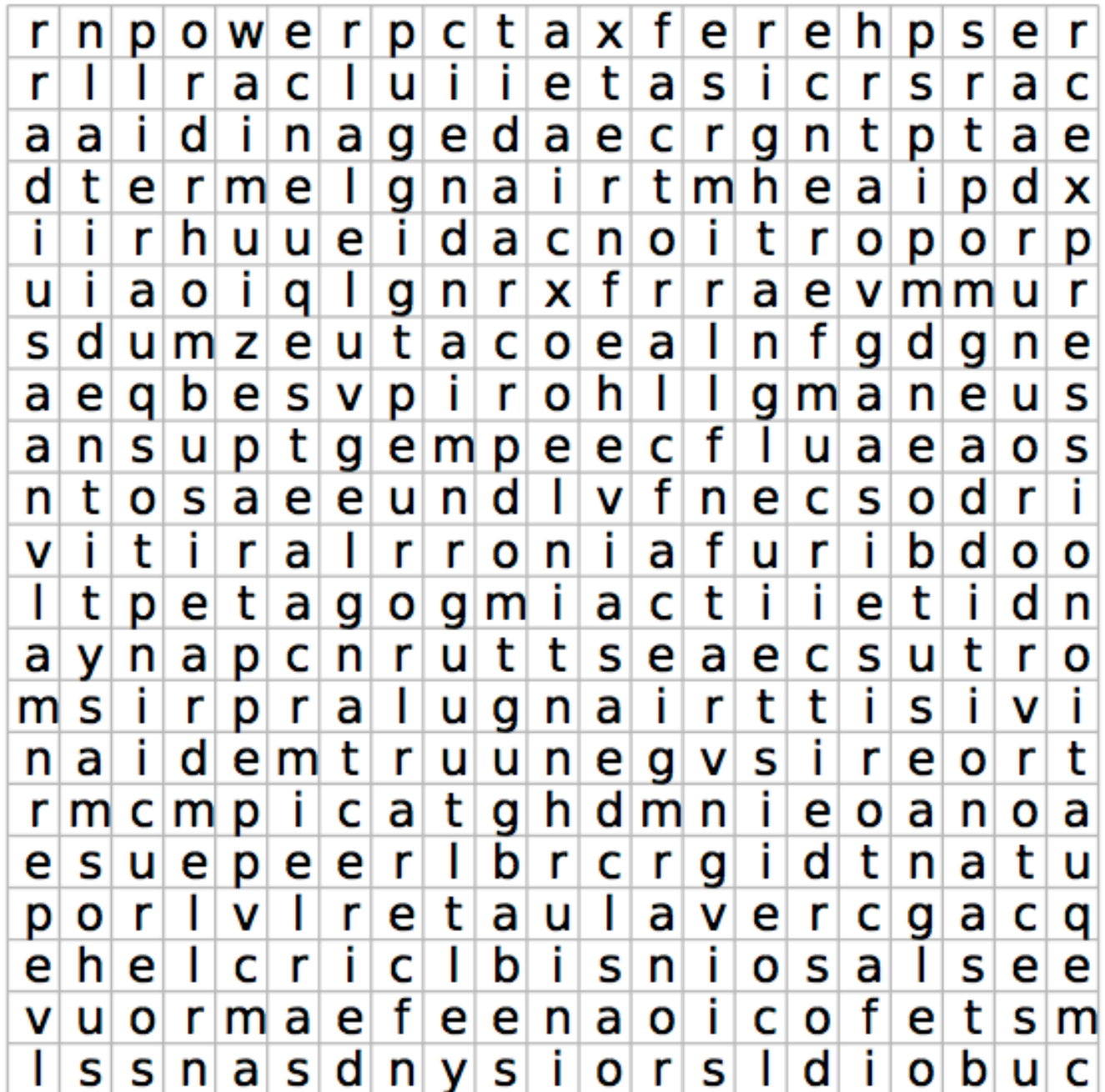
Hidden words	Meaning of the word or an example
Probability	
Outcomes	
Events	
Relative Frequency	
Independent Events	
Dependent Events	
Probability Tree	

# Maths Mega Wordsearch

Name: \_\_\_\_\_

How many hidden maths words can you find in the wordsearch? There are over 50 in total!

Do you know what they all mean?

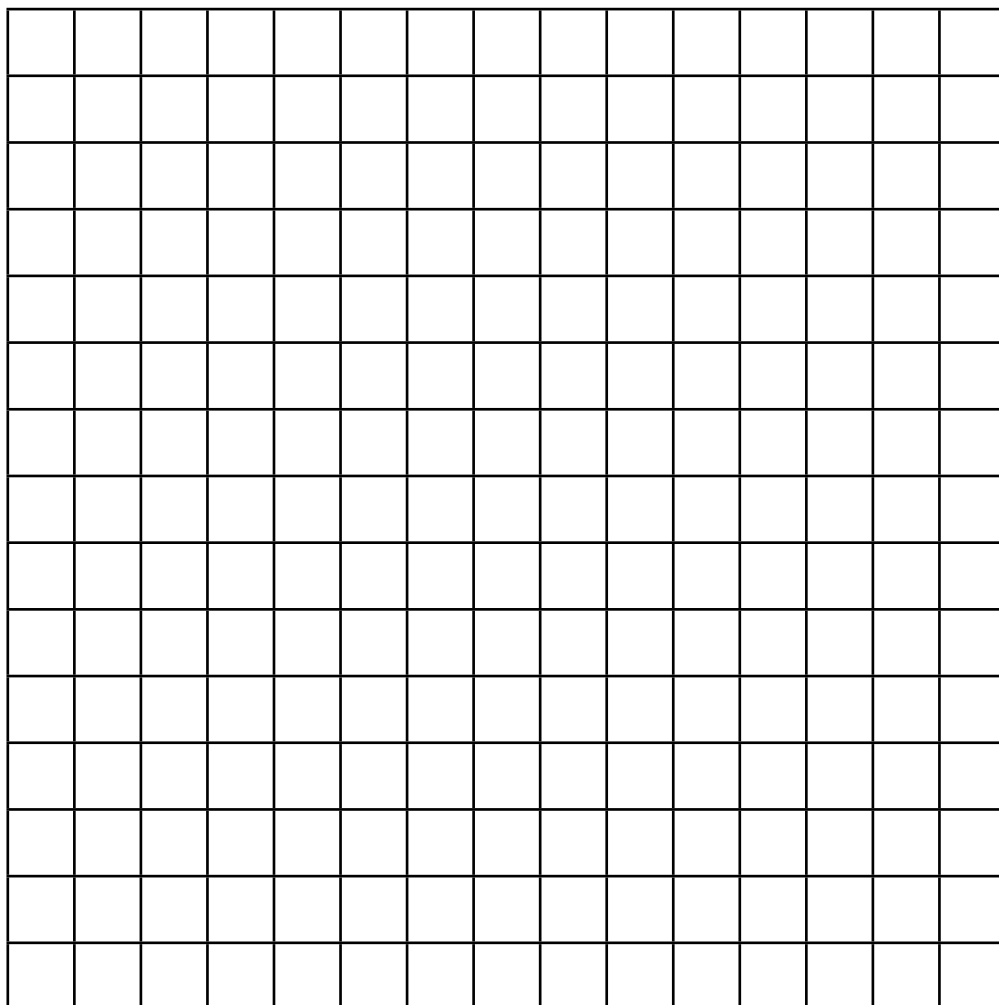


# Design Your Own Maths Wordsearch

Name: \_\_\_\_\_

Create a list of hidden words at the bottom of the page then write them in the wordsearch. After all your words are in the wordsearch, fill up the gaps with random letters.

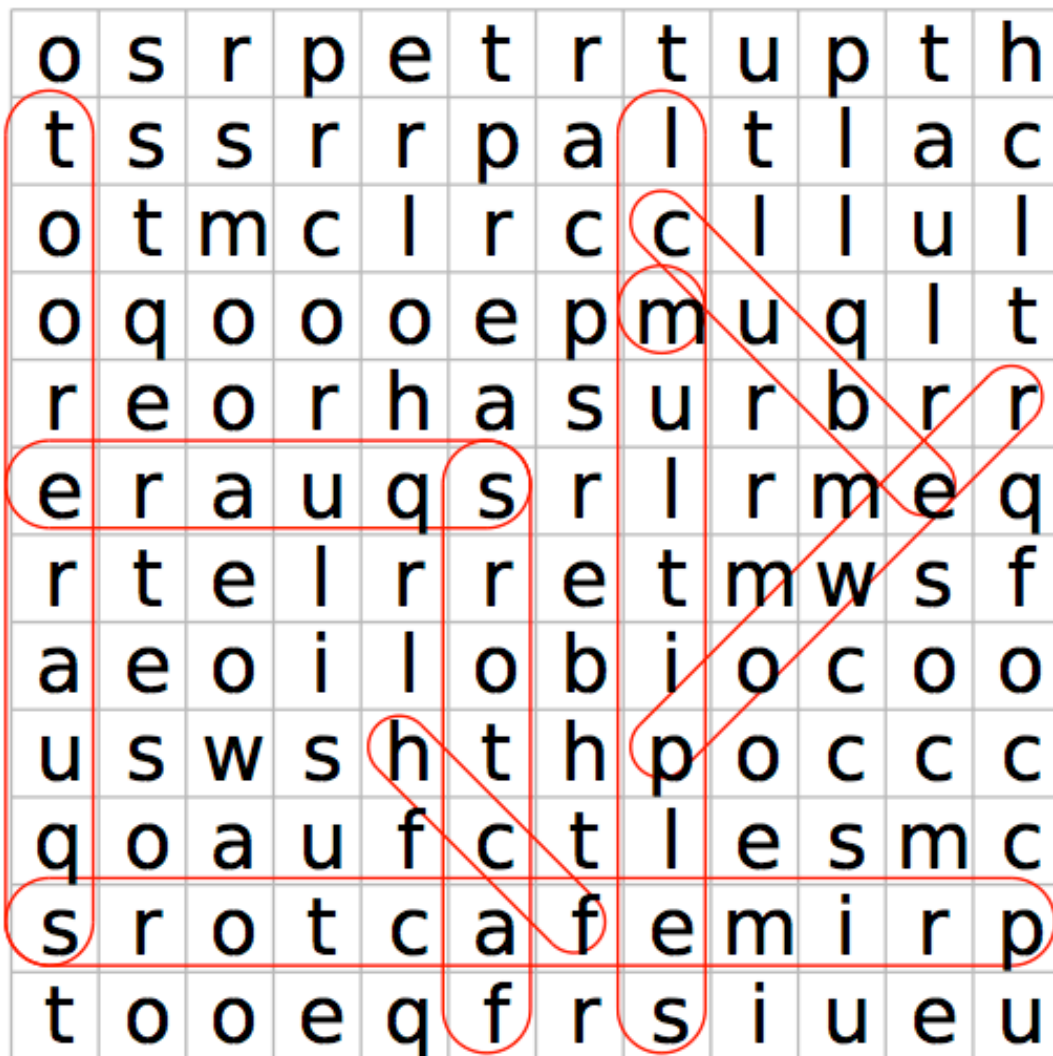
Get your friend to solve the wordsearch and then explain the meanings of the hidden words or give examples.



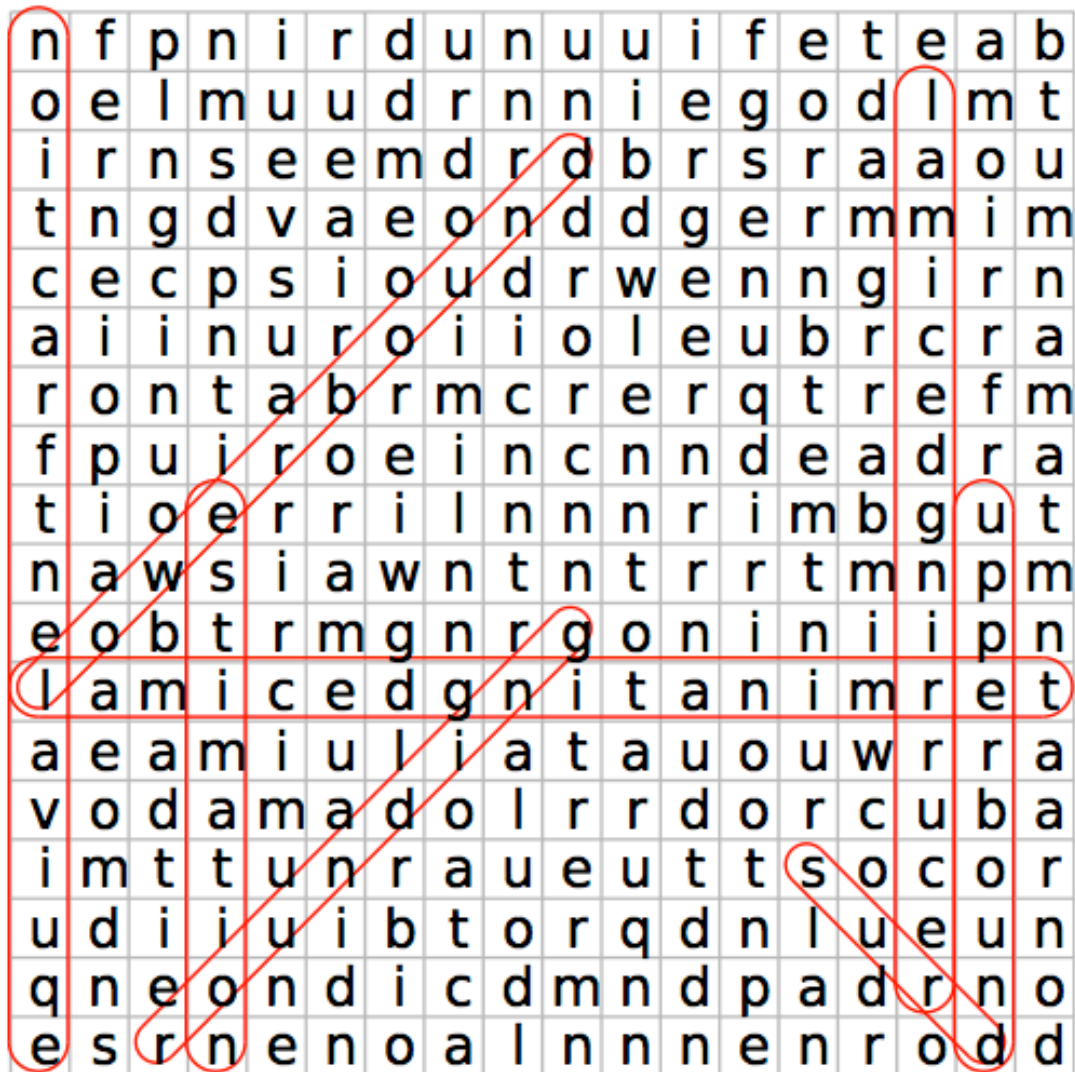
**Hidden words:**

# Answers

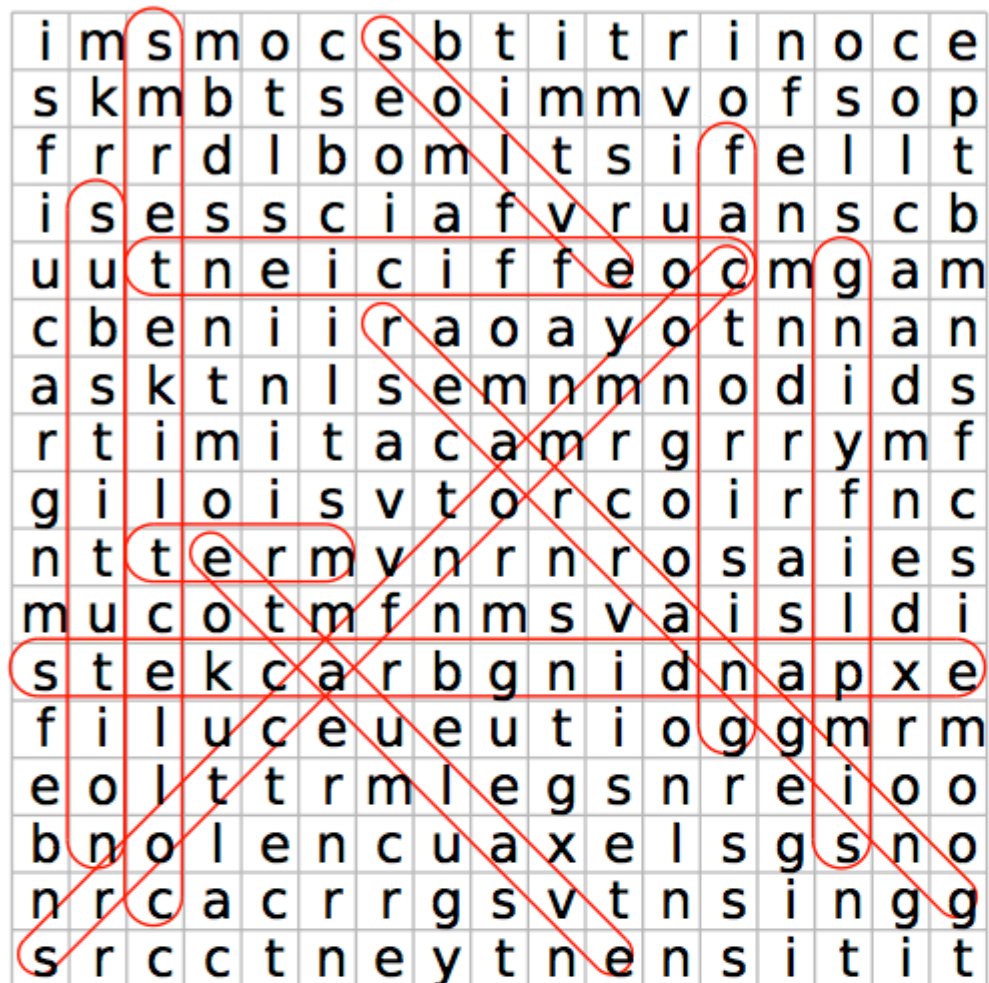
# Exploring Numbers- Answers



# More Exploring Numbers- Answers

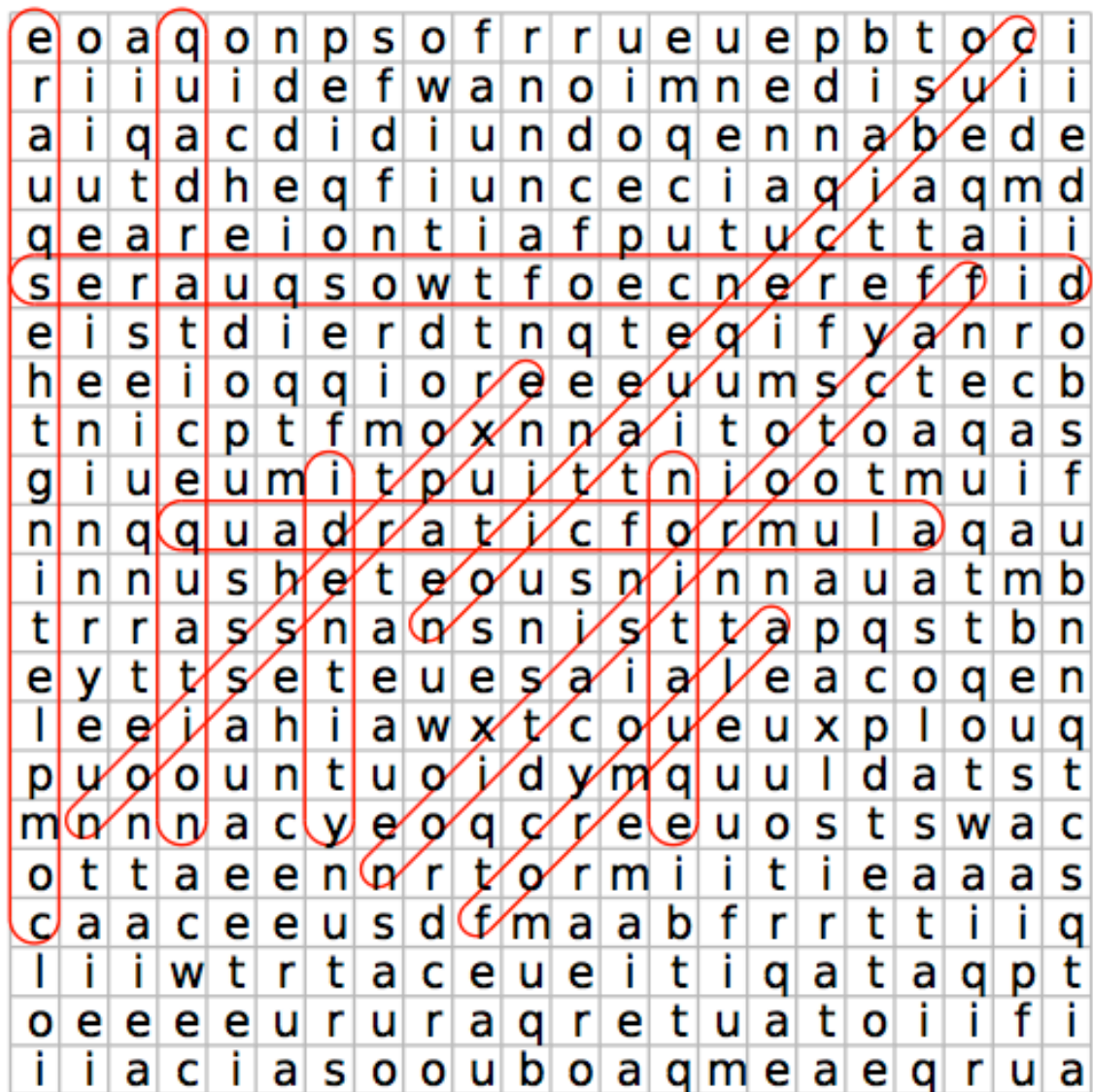


# Essential Algebra- Answers

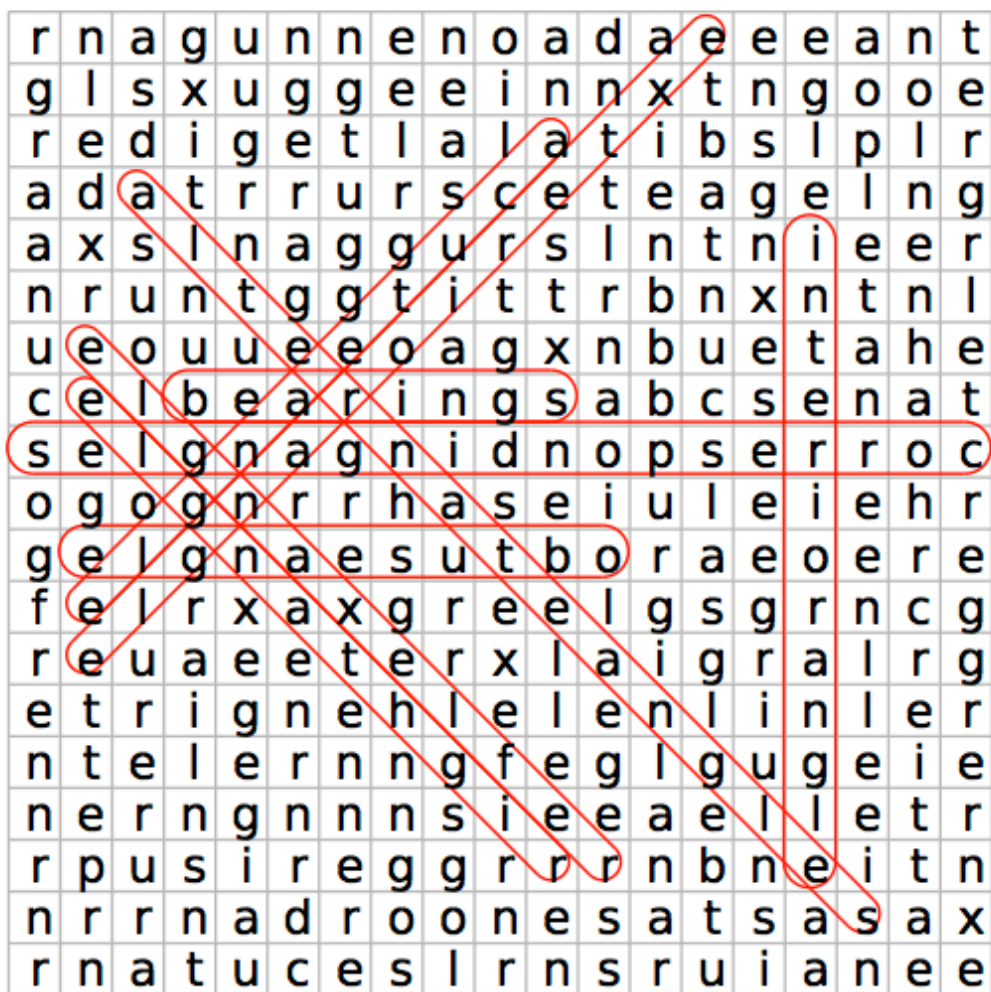




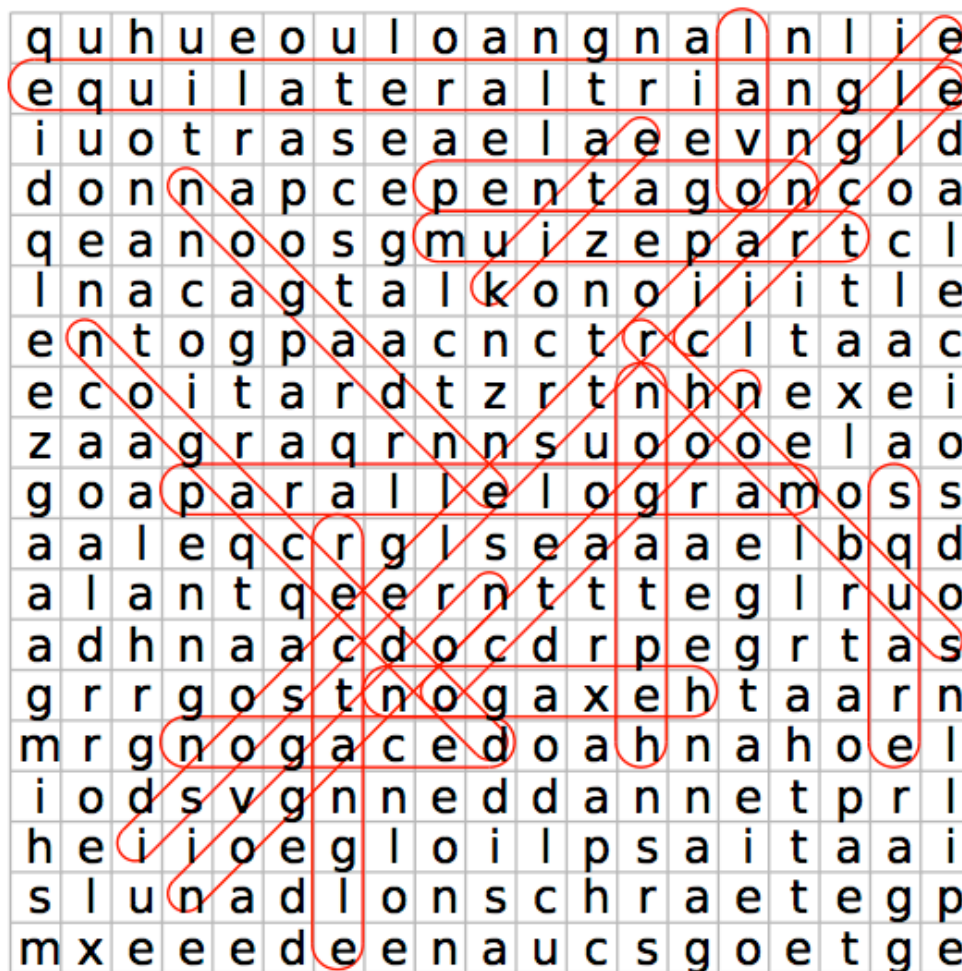
# Advanced Algebra- Answers



# Angles- Answers

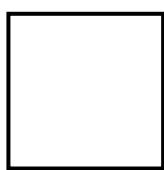


# 2D Shapes- Answers

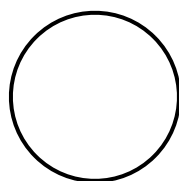


Additional shapes hidden in the wordsearch:

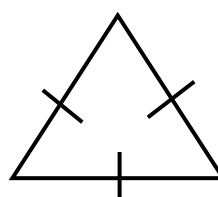
Hexagon  
Heptagon  
Octagon  
Nonagon  
Decagon  
Endagon  
Dodecagon  
Trapezium  
Rectangle  
Oval



Square



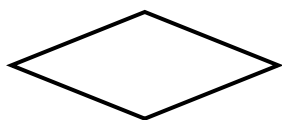
Circle



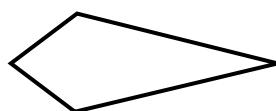
Equilateral Triangle



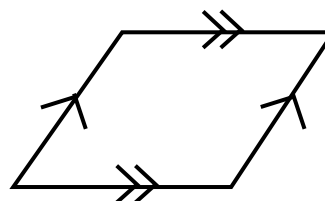
Isosceles Triangle



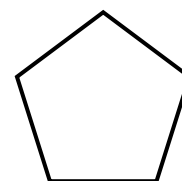
Rhombus



Kite

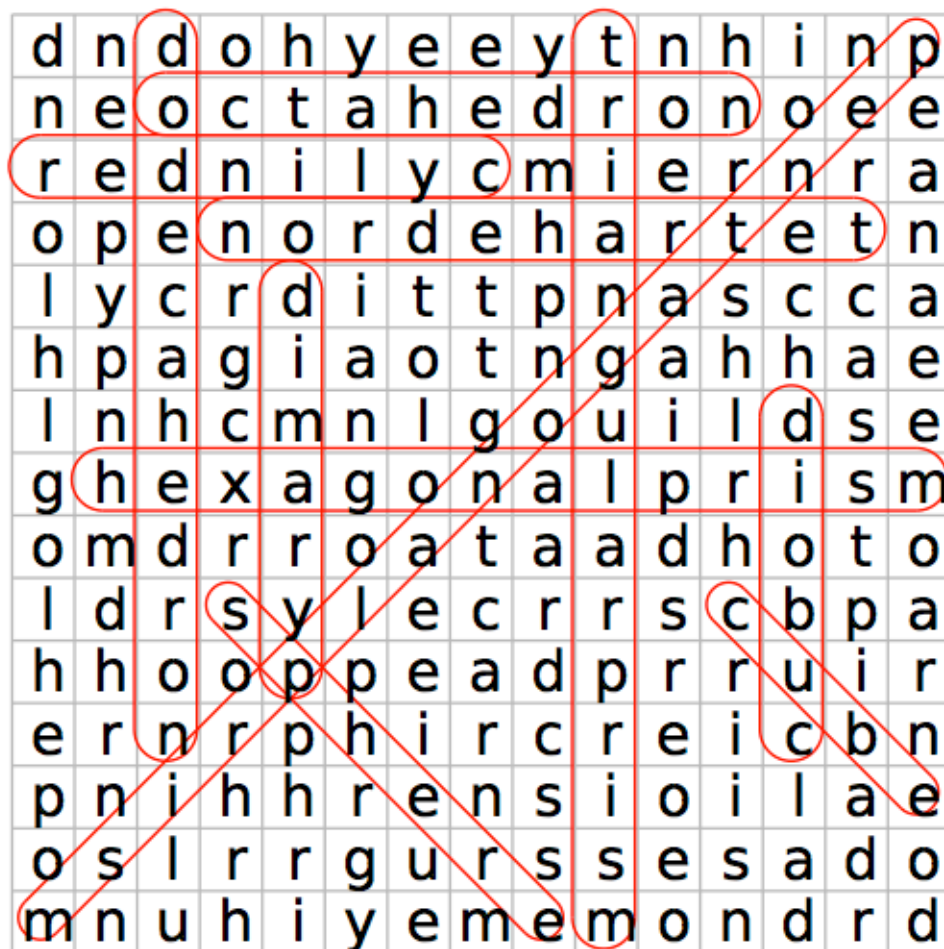


Parallelogram



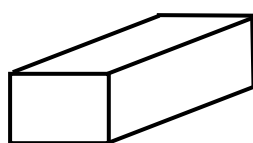
Pentagon

# 3D Shapes- Answers

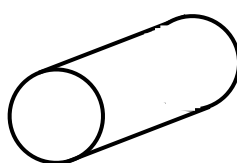


Additional shapes hidden in the wordsearch:

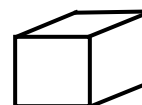
Tetrahedron  
Octahedron  
Pentagonal Prism  
Hexagonal Prism  
Dodecahedron



Cuboid



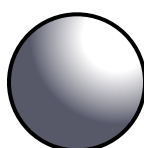
Cylinder



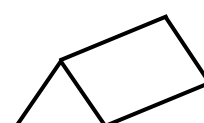
Cube



Pyramid

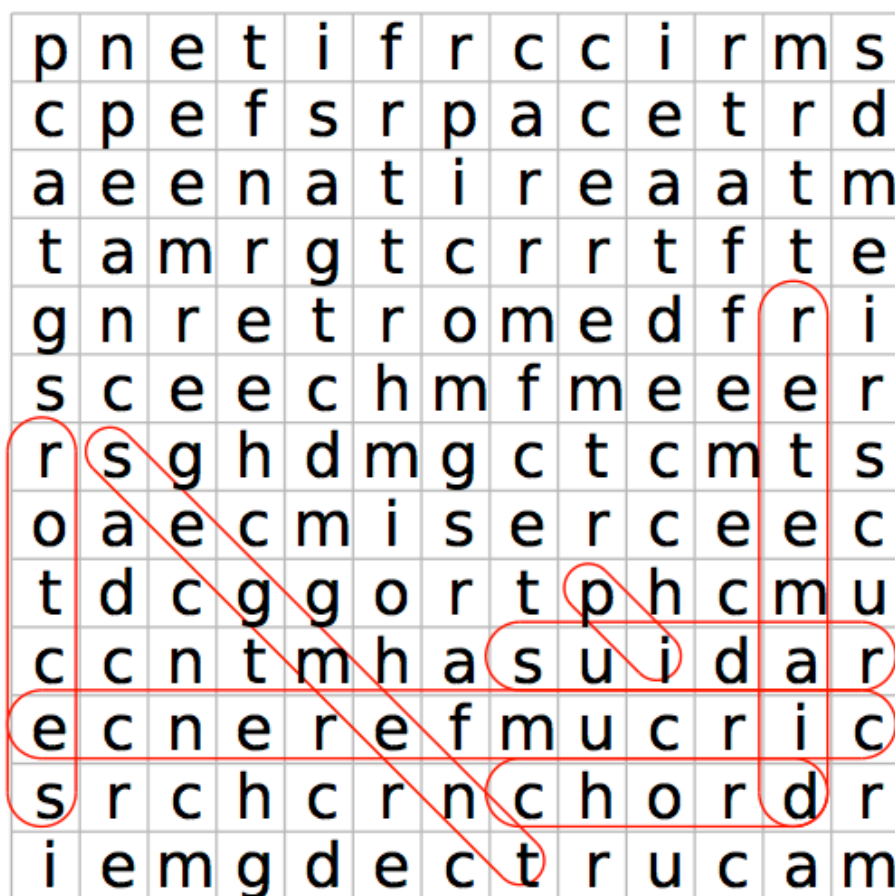


Sphere



Triangular Prism

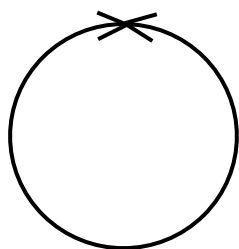
# Circles- Answers



Bonus answer:

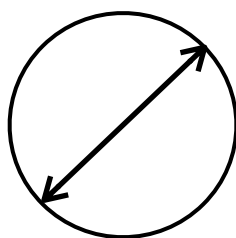
Pi

Perimeter of the circle



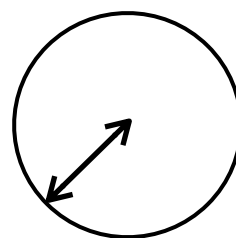
**Circumference**

Length across passing through the centre



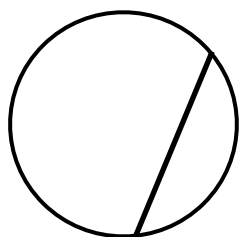
**Diameter**

Length from centre to the edge



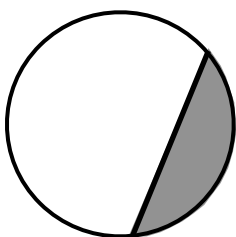
**Radius**

Line segment crossing a circle



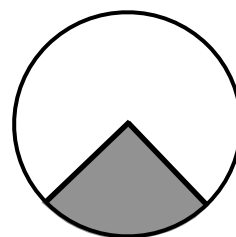
**Chord**

Region beside a line through a circle



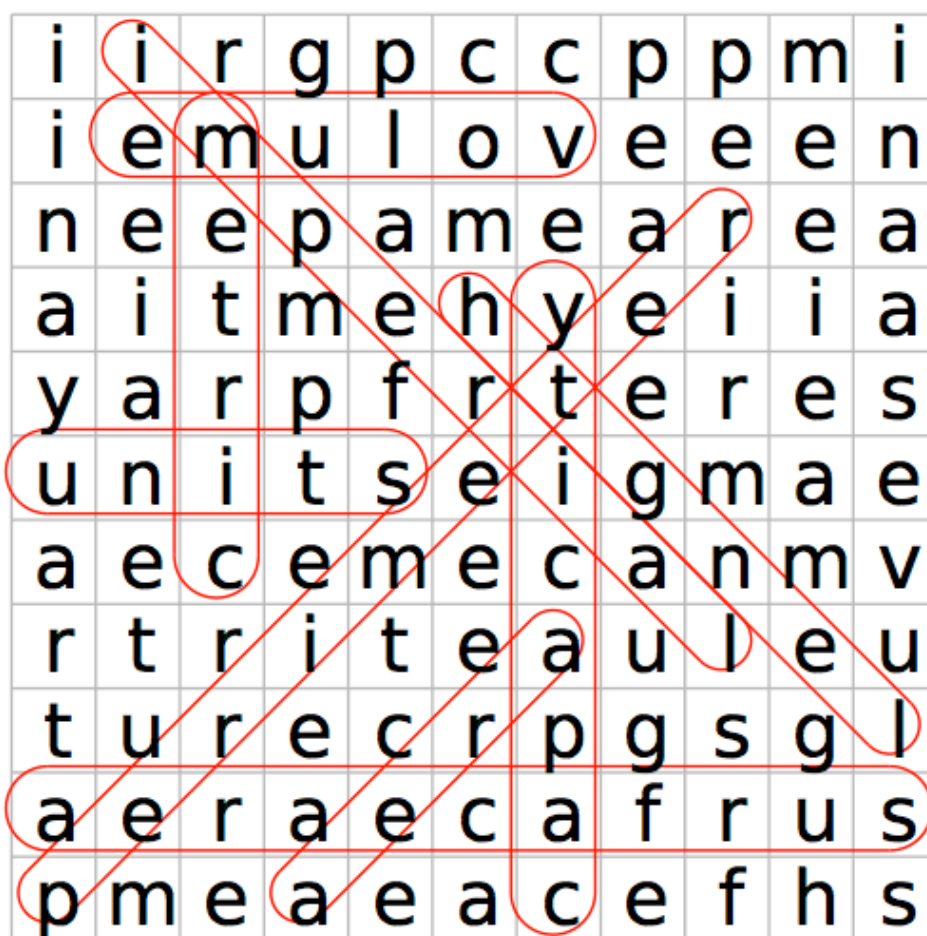
**Segment**

Region formed by the arc of a circle



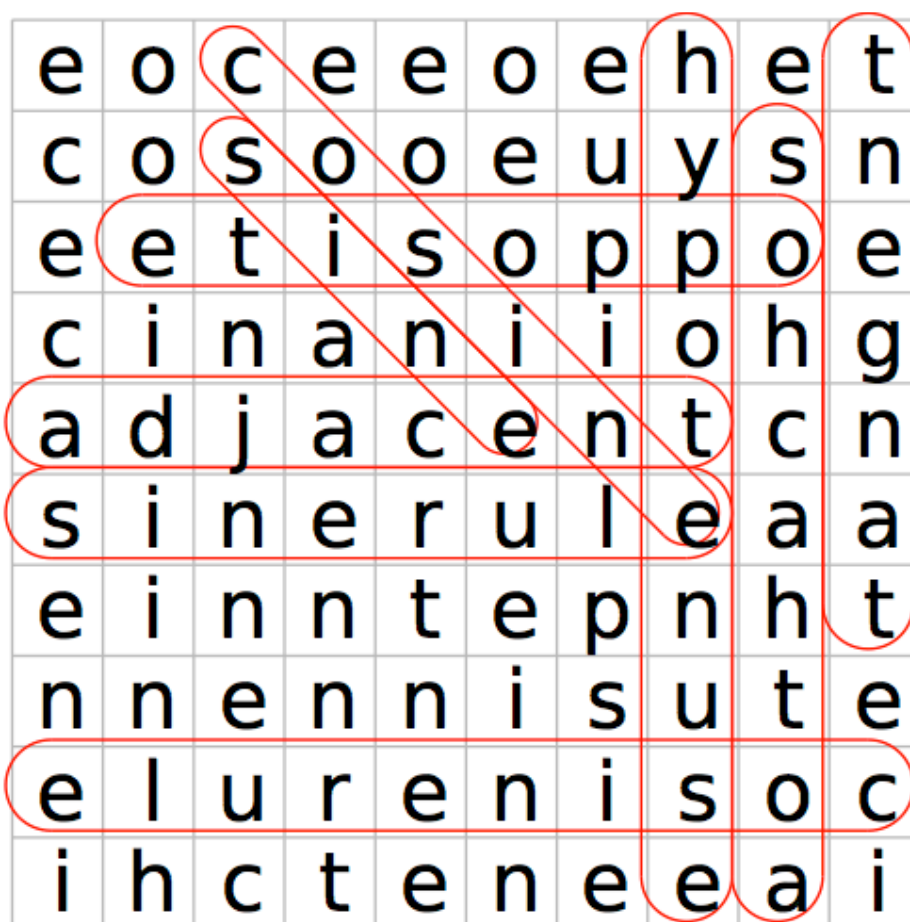
**Sector**

# Mensuration- Answers

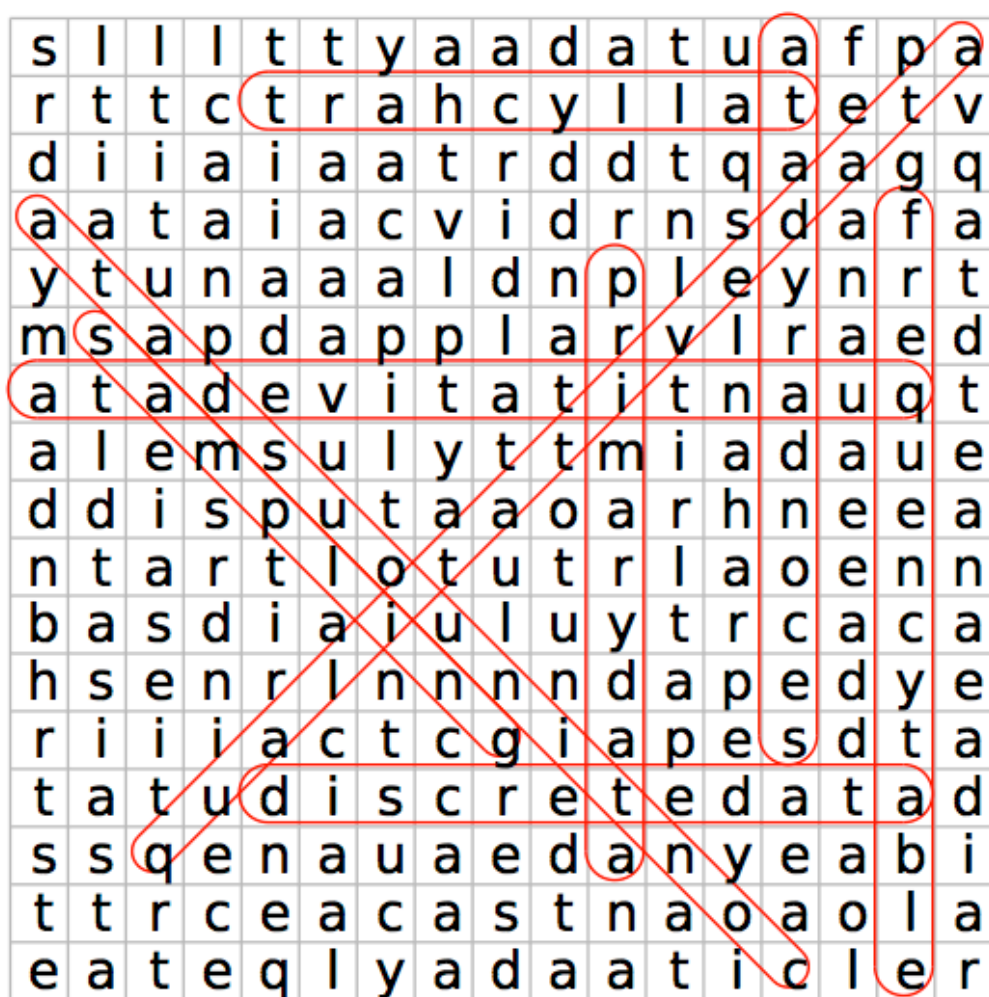




# Trigonometry- Answers

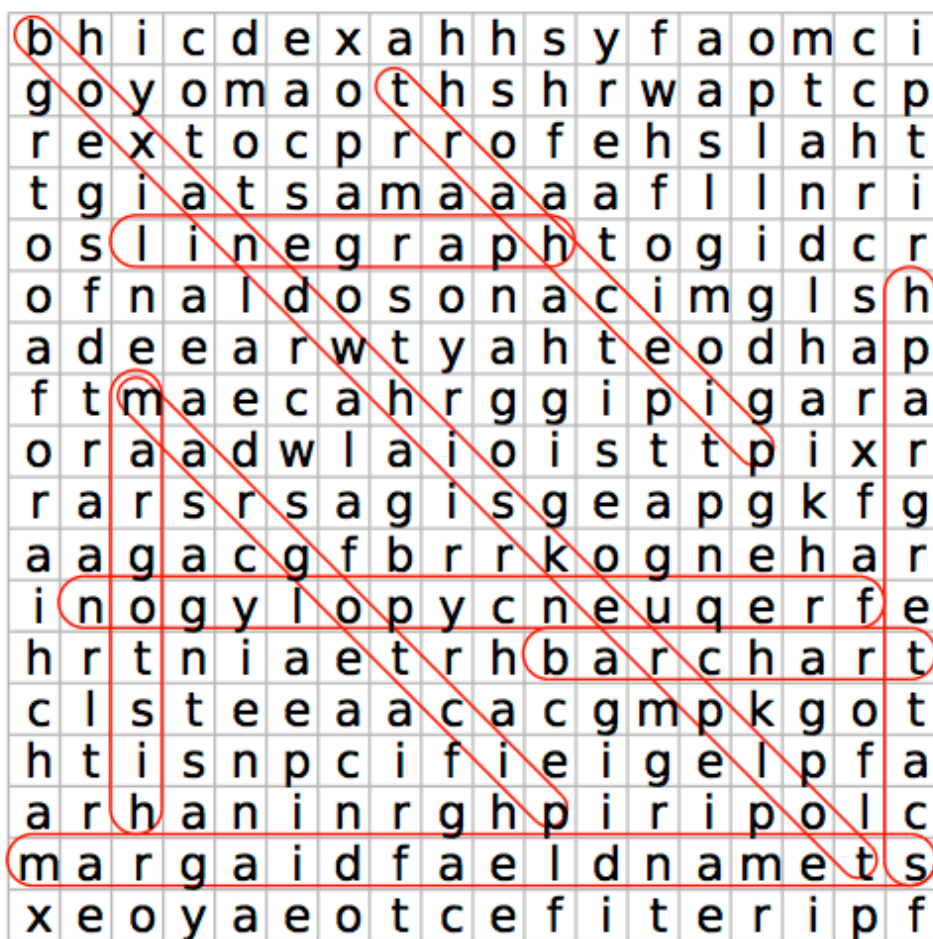


# Collecting Data- Answers



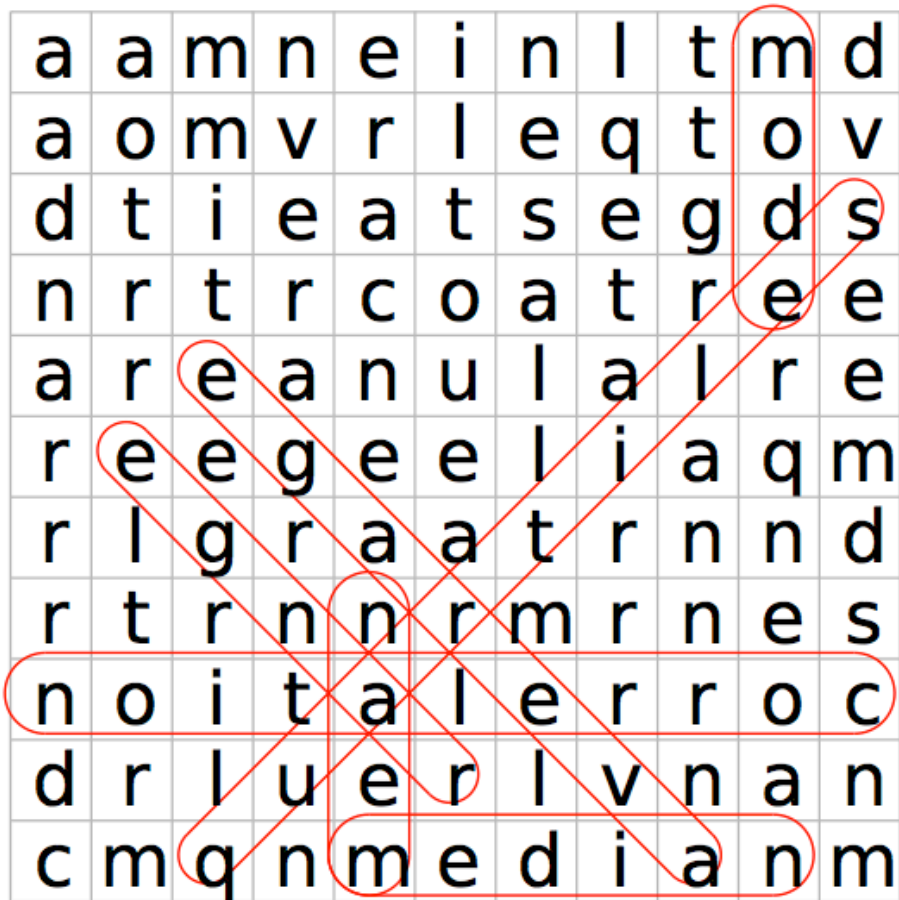


# Displaying Data- Answers

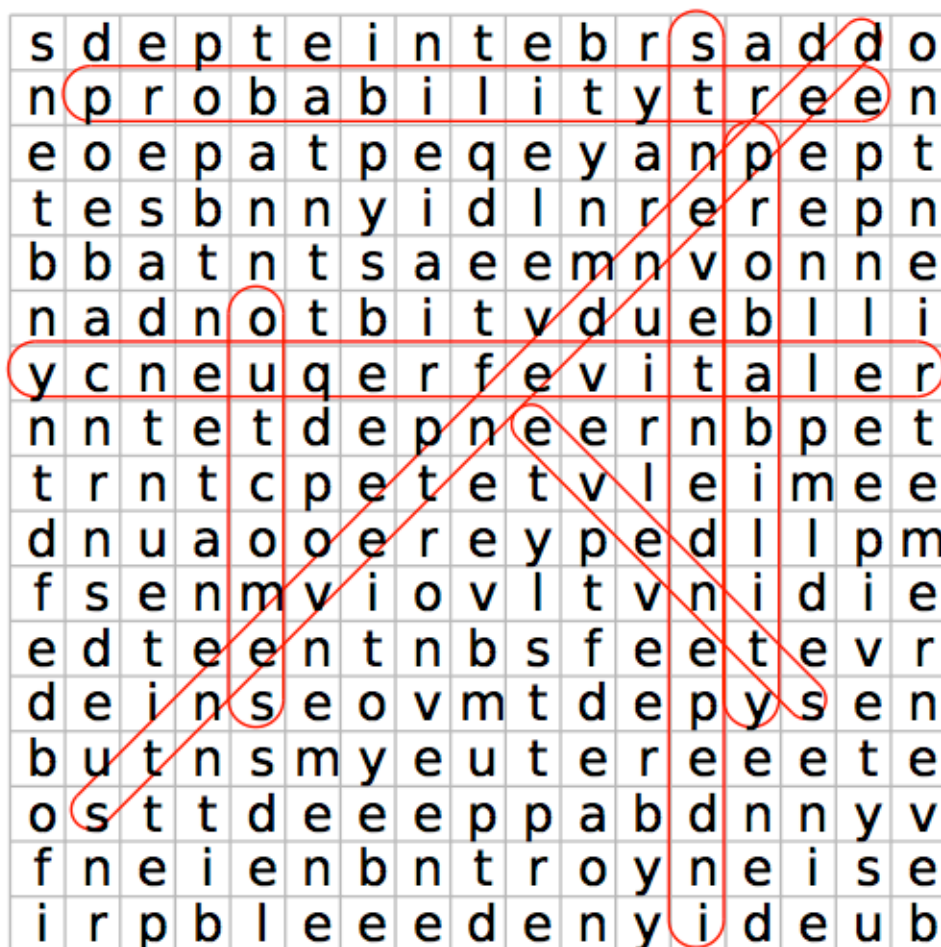


Hidden words	Qualitative data, quantitative data, both or neither?
Bar Chart	Qualitative data
Histogram	Quantitative data
Frequency Polygon	Quantitative data
Line Graph	Quantitative data
Scatter Graph	Quantitative data
Pie Chart	Both
Pictogram	Qualitative data
Stem and Leaf Diagram	Quantitative data
Box and Whisker Plot	Quantitative data

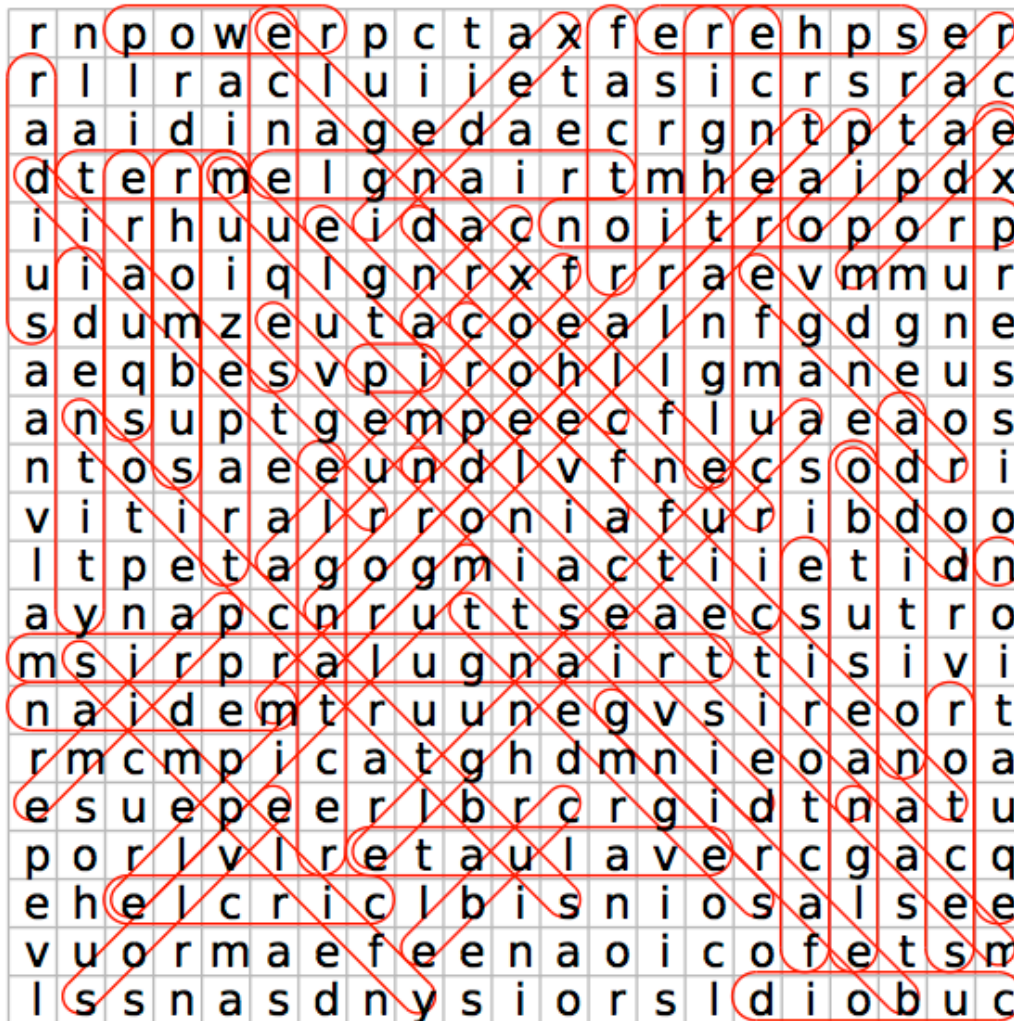
# Analysing Data- Answers



# Probability- Answers



# Maths Mega Wordsearch- Answers



Ratio  
Proportion  
Even  
Odd  
Prime  
Factor  
Multiple  
Sequence  
Term  
Coefficient  
Power  
Index  
Multiplication  
Division  
Addition  
Subtraction  
Simplify  
Evaluate  
Factorise  
Solve  
Equation  
Expression  
Identity  
Formula  
Mean  
Median  
Mode  
Range  
Average  
Circle  
Rectangle  
Square  
Trapezium  
Parallelogram  
Rhombus  
Triangle  
Right Angle  
Obtuse Angle  
Reflex Angle  
Acute Angle  
Bearing  
Cube  
Cuboid  
Tetrahedron  
Sphere  
Triangular Prism  
Pi  
Diameter  
Circumference  
Radius  
Chord  
Sector  
Segment  
Arc

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