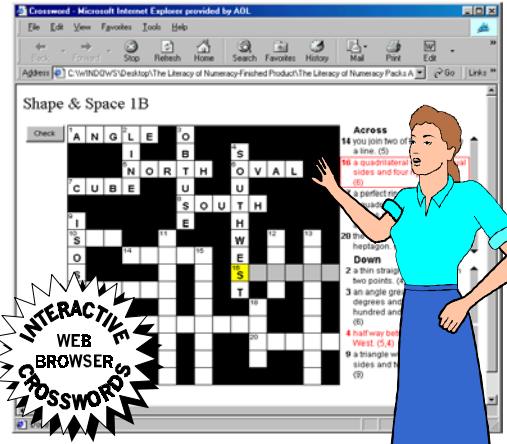




THE LITERACY OF NUMERACY

- **OVER 550 KEY TERMS IDENTIFIED;**
- **COMPREHENSIVE COVERAGE OF CORE TOPICS;**
- **CD ROM OR PHOTOCOPY MASTERS AVAILABLE;**
- **INCLUDES FREE DUPLICATION AND SITE LICENCE;**
- **CD ROM FEATURES INTERACTIVE CROSSWORDS;**
- **CAREFULLY DIFFERENTIATED FOR USE BY BOTH 11-14 & 14-16 AGE RANGES.**



'The Literacy of Numeracy' is suitable for pupils who need to gain in confidence and levels of achievement with numeracy or for those studying for Numeracy Certificates. The exercises can be used for homework, classwork, summer school, supporting exam revision, etc. 'The Literacy of Numeracy' helps pupils become proficient users of the language of numeracy, e.g. there is comprehensive coverage of prefixes and this is extended into a cross-curricular approach where these prefixes are identified in other subject specific terminology. 'The Literacy of Numeracy' pack is available on CD ROM in Microsoft Word and Adobe Acrobat formats. All crosswords are also provided in HTML web format - you can now view, complete, check and print from within your favourite web browser such as MS Internet Explorer or Netscape Navigator! An extra set of enlarged web pages is included to support the visually impaired.

The Literacy of Numeracy Probability 1

Across

Down

- Means the same as 'unbiased'. (4)
- Not sure about it. (9)
- Means that it might happen, or it might not. (8)
- Describes the chances of winning the lottery! (4)
- More than one die. (4)
- Biased towards one side. (6)
- The danger involved in an activity. (4)
- Another name for 'likelihood'. (6)
- A cube with six faces used in games. (3)
- Used in games to make random numbers. (7)
- The probability of an event which cannot happen. (4)
- More chance of happening than not. (6)
- Not fair. (6)
- Not much chance of it happening. (4)
- Means the same as 'likely'. (8)
- Means the same as 'definite'. (7)

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The Literacy of Numeracy - Wordsearch Fractions, Decimals & Percentages

V	F	R	T	S	A	S	S	F	G	F	D	K	K	U	K	F
H	C	D	F	I	N	M	H	K	D	J	D	S	O	A	S	D
A	Z	M	I	X	E	D	N	U	M	B	E	R	V	C	D	F
L	X	S	D	T	C	V	B	F	G	T	Y	E	B	G	T	Y
F	I	F	T	H	N	J	M	K	L	U	Y	D	N	J	M	K
C	X	S	D	A	W	E	R	V	D	V	Q	U	A	R	T	E
P	E	R	C	E	N	T	A	G	E	N	H	C	N	J	M	K
X	C	Z	S	D	F	H	N	J	N	U	M	E	R	A	T	O
S	A	E	H	N	J	I	K	J	O	P	Q	W	E	O	D	
S	D	Q	M	J	K	R	M	L	M	C	X	S	D	W	M	C
D	F	U	H	F	K	D	E	C	I	M	A	L	P	O	I	N
B	G	I	N	R	N	H	J	M	N	N	J	M	K	O	L	D
L	P	V	D	A	C	X	S	D	A	C	X	S	D	E	L	C
M	K	A	R	C	Z	U	N	I	T	F	R	A	C	T	I	O
N	J	L	T	T	B	G	H	J	O	B	G	T	F	R	O	B
S	D	E	C	I	M	A	L	F	R	A	C	T	I	O	N	N
X	N	N	Q	O	N	H	J	M	K	J	X	D	S	X	T	M
Z	X	T	A	N	V	C	X	D	F	E	I	G	H	T	H	L

Below is a list of words related to **FRACTIONS, DECIMALS & PERCENTAGES**. Try to find them in the wordsearch. The words are found in rows or columns.

DECIMAL FRACTION	MIXED NUMBER
DECIMAL POINT	NUMERATOR
DENOMINATOR	PERCENTAGE
EIGHTH	PROPER FRAC
EQUIVALENT	QUARTER
FIFTH	REDUCE
FRACTION	SIXTH
HALF	THIRD
MILLIONTH	UNIT FRACTION

The Literacy of Numeracy - Solutions Calculations 1 - Data Handling 2

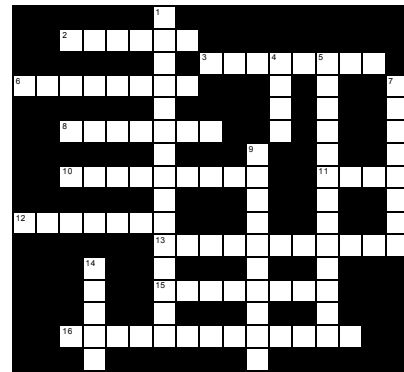
USE MS WORD TO EDIT TERMINOLOGY OR ALTER CLUES AND DEFINITIONS!

'LITERACY OF NUMERACY' IS DIVIDED INTO 13 TOPICS WHICH CONTAIN A TOTAL OF 181 CROSSWORDS, WORDSEARCHES, & WORD EXERCISES TO FORM AN ALL ENCOMPASSING LITERACY RESOURCE FOR NUMERACY.

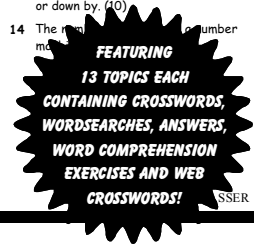
The Literacy Of Numeracy' - Topics

- Calculations
- Fractions, Decimals, % , Ratio & Proportion
- Measures
- Mixed Revision 4
- Probability
- Sequences & Number Machines
- Transformations & Symmetry
- Co-ordinates & Straight Line Graphs
- Data Handling
- Numbers, Integers, Place Value, Ordering & Rounding
- Prefixes
- Problem Solving
- Shape & Space
- Mixed Revision 1 - 21

The Literacy of Numeracy Sequences & Number Machines

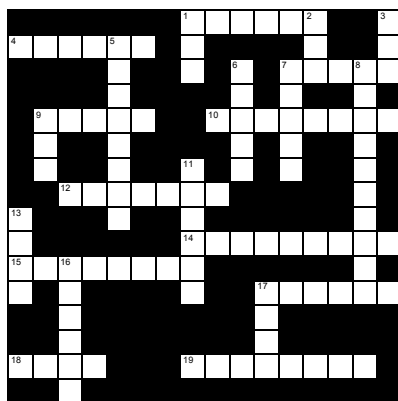


- | Across | Down |
|---|--|
| 2 The numbers that come out of a number machine. (6) | 1 Another name for a number machine. (8,7) |
| 3 To add extra numbers onto a sequence, following the rule. (8) | 4 A single number in a sequence. (4) |
| 6 An ordered list of numbers. (8) | 5 Another name for a sequence. (6,7) |
| 8 A rule which changes input numbers into output numbers. (7) | 7 To make smaller. (8) |
| 10 Any sequence obtained by adding the last two terms to make the next one. (9) | 9 The amount that a sequence goes up or down by. (10) |
| 11 The pattern in a sequence. (4) | 14 The name of a number machine. (8) |
| 12 A rule used to produce a sequence. (7) | 15 Numbers which are next to each other in a sequence. (11) |
| 13 Numbers which are next to each other in a sequence. (11) | 16 The amount a sequence goes up by. (8) |
| 15 The amount a sequence goes up by. (8) | 16 It takes in input numbers and gives out output numbers. (6,7) |



Differentiate by allowing the pupils to choose a crossword or wordsearch - the associated word exercise ensures a similar outcome. Provide a word list with the crosswords - this provides a differentiated intermediate task level between a crossword and a wordsearch. Extra resources to facilitate differentiation are provided on the CD ROM.

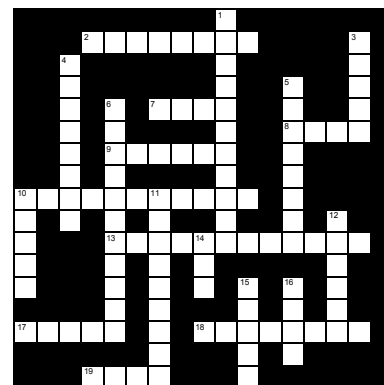
The Literacy of Numeracy Calculations 1



- | Across | Down |
|---|--|
| 1 Means the same as 'quantity'. (6) | 1 To find the total. (3) |
| 4 To share into parts. (6) | 2 Money that the government takes from people. (3) |
| 7 Means the same as 'precise'. (5) | 3 Short for 'Value Added Tax'. (3) |
| 9 To separate into parts or divide. (5) | 5 To make a number smaller. (8) |
| 10 The proper name for 'times'. (8) | 6 A simple way to find the number of items. (5) |
| 12 The screen on the calculator where the numbers appear. (7) | 7 To put numbers into the calculator. (5) |
| 14 Means the same as 'work out'. (9) | 8 An electronic device for doing calculation. (10) |
| 15 To make bigger. (8) | 9 The answer after adding. (3) |
| 17 The calculator button which stores a number. (6) | 11 The button on a calculator which clears the last entry. (6) |
| 18 The part of a number which tells you whether it is positive or negative. (4) | 13 A group of two. (4) |
| 19 Means the same as 'subtract'. (4,4) | 16 The money which the shop assistant returns after you have paid for your shopping. (6) |
| | 17 Means the same as 'greater'. (4) |

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The Literacy of Numeracy Co-ordinates & Straight Line Graphs

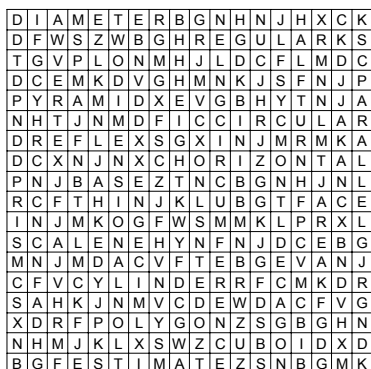


- | Across | Down |
|--|--|
| 2 A rule between x and y, used to draw a graph. (8) | 1 Two numbers used to mark a point on a grid. (2-9) |
| 7 The place where co-ordinates are plotted. (4) | 3 The horizontal axis on a co-ordinate grid. (1-4) |
| 8 They usually have x and y written on them. (4) | 4 The location of a point on a grid. (8) |
| 9 The centre of a co-ordinate grid. (6) | 5 A quarter of a co-ordinate grid. (8) |
| 10 The co-ordinate written last. (1,2-8) | 6 The co-ordinate written first. (1,2-8) |
| 13 The point where two lines cross. (12) | 10 The vertical axis on a co-ordinate grid. (1-4) |
| 17 The amount a line is leaning. (5) | 11 To cross another line. (9) |
| 18 The proper name for slope. (8) | 12 A vertical bar. (6) |
| 19 To mark the position of a pair of co-ordinates. (4) | 14 A horizontal bar. (3) |
| | 15 An equation between x and y, drawn on a grid. (5) |
| | 16 A line on a graph with a scale along it. (4) |

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SUITABLE TO SUPPORT CLASSWORK, HOMEWORK OR EXAM REVISION!

The Literacy of Numeracy - Wordsearch Shape & Space 2

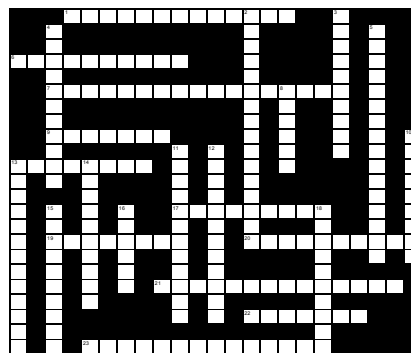


Below is a list of words related to **SHAPE & SPACE**. Try to find them in the wordsearch. The words can only be found in rows or columns.

- | | |
|---------------|-----------------|
| AREA | HALF TURN |
| BASE | HORIZONTAL |
| CIRCULAR | PARALLEL |
| CIRCUMFERENCE | POLYGON |
| CUBOID | PRISM |
| CYLINDER | PYRAMID |
| DECAGON | REFLEX |
| DIAMETER | REGULAR |
| EIGHT | SCALENE |
| ESTIMATE | TWO-DIMENSIONAL |
| FACE | VERTEX |

© SSER

The Literacy of Numeracy Data Handling 2



Across

Down

- | | |
|---|---|
| 1 A line drawn on a scatter graph through the centre of the points. (4,2,4,3) | 2 Any diagram that shows frequency. (9,7) |
| 3 A statement to be tested by collecting and analysing data. (10) | 3 A statement to be tested by collecting and analysing data. (10) |
| 6 Describes data which is measured or weighed and can take any value within a range. (10) | 4 A rectangular diagram showing sets. (4,7) |
| 7 A graph of a journey showing the distance travelled at any time. (8-4,5) | 5 A line graph showing frequency for grouped data. (9,7) |
| 9 Describes data which has been sorted into class intervals. (7) | 8 Without any order. (6) |
| 13 To sort the data into groups. (8) | 10 A graph formed by joining points with straight lines. (4,5) |
| 17 To find meaning from results. (9) | 11 A diagram using vertical lines to show frequency. (3-4,5) |
| 19 Describes data which can be counted. (8) | 12 A graph used to show the connection between two data sets. (7,5) |
| 20 Another name for modal class. (5,5) | 13 A group of data. (5,8) |
| 21 A sheet designed to collect data. (4,10) | 14 Studying data to find things out. (10) |
| 22 A number which measures the centre of the data. (7) | 15 The class interval which occurs most often. (5,5) |
| 23 Any chart which shows frequency. (9,5) | 16 To collect data by asking people questions. (6) |
| | 18 A way of collecting data. (5,5) |

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The terminology, topics and exercises in 'The Literacy of Numeracy' have been selected to match those encountered by pupils during this key stage and in other areas of the curriculum. Print the word exercises (below left) on the back of crosswords or wordsearches to complement those activities and to provide pupils with a topic glossary.

THE LITERACY WORD EXERCISE B

Now complete the following table. The missing words are the answers from the **SHAPE & SPACE 1B** crossword or wordsearch. The words will be in alphabetical order when the table is completed.

Word or Phrase	Explanation
Angle	
Circle	
Cube	
Direction	
Four	
Isosceles	
Line	
North	
North West	
Obtuse	
Oval	
Point	
Rectangle	
Seven	
Six	
South	
South West	
Square	
Triangle	
West	

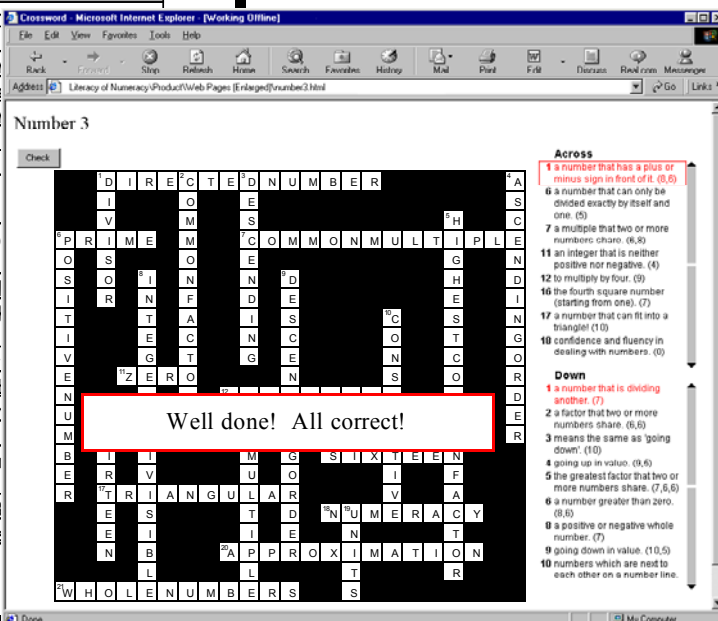
THE LITERACY OF NUMERACY WORD EXERCISE A - SHAPE & SPACE 1B

Now complete the following table. The missing words are the answers from the **SHAPE & SPACE 1B** crossword or wordsearch. The words will be in alphabetical order when the table is completed.

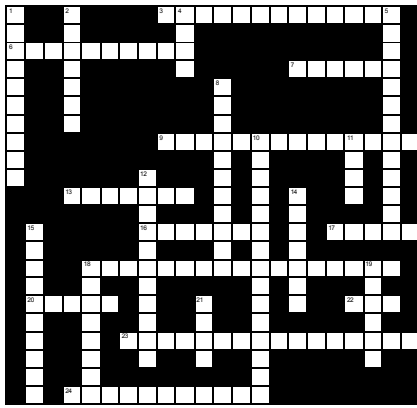
Word or Phrase	Explanation
	measures the amount of turn. (5)
	a perfect ring shape. (6)
	a regular solid with six square faces. (6)
	the way a line points. (9)
	the number of right angles in a square. (4)
	a triangle with two equal sides. (4)
	a thin straight mark between two points. (4)
	pointing to the Arctic. (5)
	half way between North and South. (4)
	an angle greater than ninety degrees and less than one hundred and eighty degrees. (4)
	the shape of a running track. (4)
	join two of these to make a square. (4)
	a quadrilateral with four right angles. (4)
	equal and opposite sides. (9)
	the number of sides in a hexagon. (6)
	the number of faces on a cube. (6)
	in the direction of the Antarctic. (4)
	half way between South and North. (4)
	a quadrilateral with four equal sides. (4)
	angles. (6)
	a polygon with three sides. (3)
	the opposite direction to East. (4)

**A TOTAL OF
181 CROSSWORDS
WORDSEARCHES
& EXERCISES**

'The Literacy of Numeracy' will complement your current literacy strategy and can be easily adapted, e.g. for wall displays, literacy diaries, etc.



The Literacy of Numeracy Mixed 3E



Across

- 3 A group of data. (5,8)
- 6 The class interval which occurs most often. (5,5)
- 7 A light-hearted thinking problem, done for fun. (6)
- 9 Going up in value. (9,5)
- 13 To investigate. (7)
- 16 To give the reasons behind your method or solution. (7)
- 17 The first column to the left of the decimal point. (5)
- 18 A graph of a journey showing the distance travelled at any time. (8-4,5)
- 20 What you should do after you think you have found the answer. (5)
- 22 A horizontal bar. (3)
- 23 A fraction with a numerator bigger than the denominator. (8,8)
- 24 Having the shape of a rectangle. (11)

Down

- 1 Half a sphere. (10)
- 2 A good way of organising information could help you to solve a problem. (7)
- 4 What you make if you sell something than it cost you. (4)
- 5 A line drawn on a scatter graph through the centre of the points. (4,2,4,3)
- 8 To look into something in depth by trying things out. (11)
- 10 Going down in value. (10,5)
- 11 The danger involved in an activity. (4)
- 12 In simplest form. (6,5)
- 14 If you notice this, it might help you solve the problem. (7)
- 15 Half a circle. (10)
- 18 To make smaller. (8)
- 19 What you make if you sell something for more than it cost you. (6)
- 21 To mark the position of a pair of co-ordinates (4)

FULL SITE LICENCE INCLUDED!

Well done! All correct!

The check button provides immediate feedback to the user by removing all letters and words which have been incorrectly entered. Each user can also print off a copy of their completed crossword (already checked and verified) from within the browser.



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