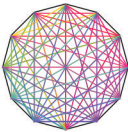
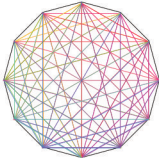


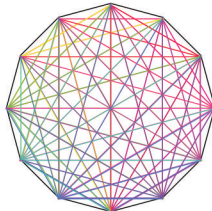

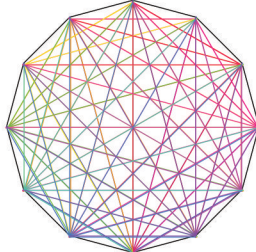
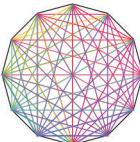

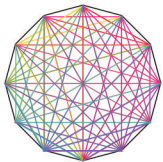


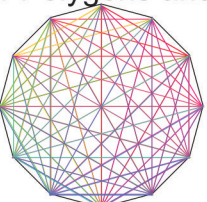
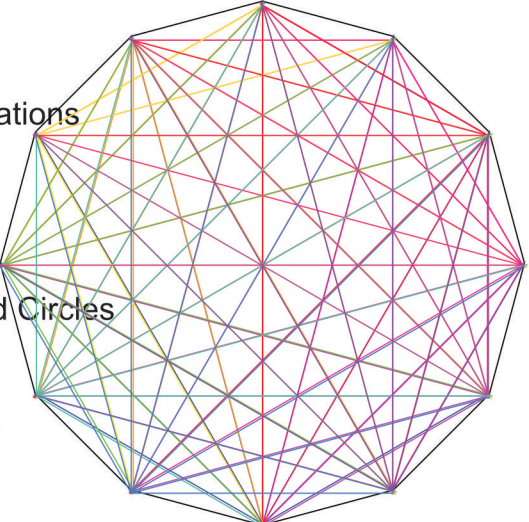


# INDEX

Topic

Page

Symbols and Icons		6
The Triangles		7
Triangles Examples		8
Triangles Examples		9
The Ellipses		10
Ellipses Examples		11
Ellipses Examples		12
The Quadrilaterals		13
Quadrilaterals Examples		14
Quadrilaterals Examples		15
Quadrilaterals Examples		16
Truchet Tiles		17
Truchet Tiles		18
The Circles		19
Circles Examples		20
Circles Examples		21
Circles Examples		22
Regular Polygons and Polygon Clusters		23
Regular Polygon Cluster Examples		24
Exploring Regular Shape Properties and Algebraic Equations		24
Polygon Clusters		25
Tessellation puzzle		26
Create a Tessellation Puzzle with Regular Polygons and Circles		26
3D Objects - Cube cluster		27
More Complex 3D Objects with the Cube		27
Functions Parabola		28

# INDEX

Topic

Page

Parabolas examples

29

Cartesian Plane

30

Cartesian Plane examples

31

Some Uses for Grids

32

Drawing a grid

33

Using Parallel lines for a Square Grid

33

Trigonometry Graph cluster and Normal Frequency Curve.

34

Trigonometry Graph cluster and Normal frequency curve.

35

Polygons on the Protractor

36

Polygons on the Protractor

37

Polygons on the Protractor

38

Polygons on the Protractor

39

Polygons on the Protractor

40

Polygons on the Protractor

41

Polygons on the Protractor

42

Polygons on the Protractor

43

Compass-less Constructions

44

Constructing with MATHOMAT

44

The Three - Point - Measure: TPM

45

Constructions using the TPM

45

Isometric Lines

46

Isometric Grids

46

The Isometric Grid: Drawing it

47

Sketching the Grid and 3D Objects

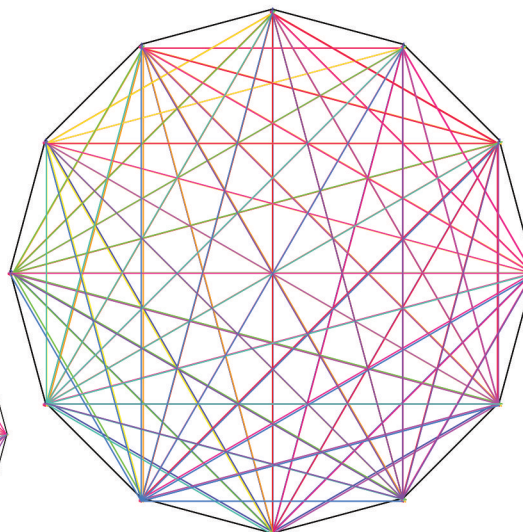
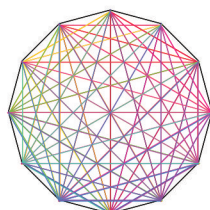
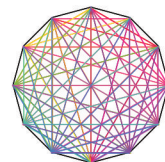
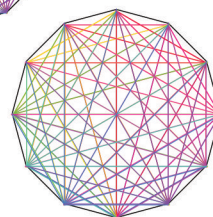
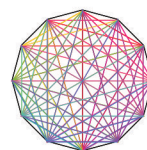
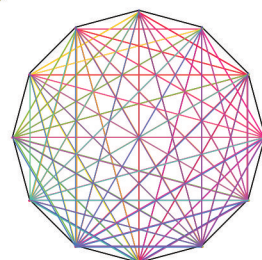
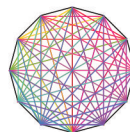
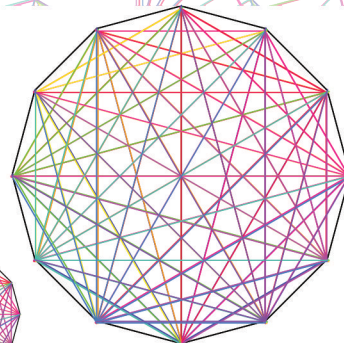
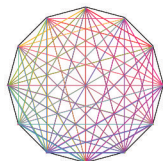
47

The Half-Dodecagon

48

Constructing the Dodecagon

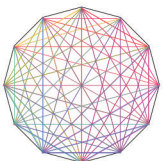

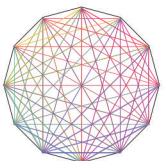

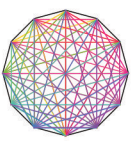

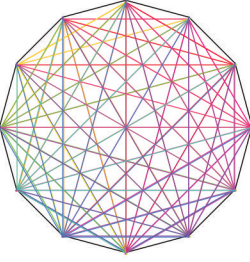
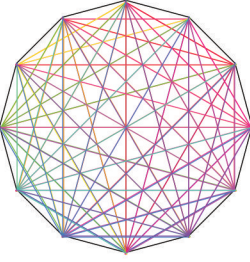
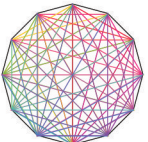
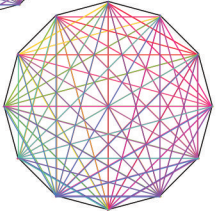
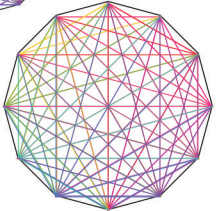
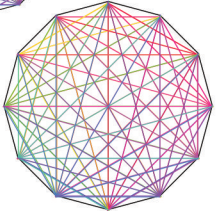
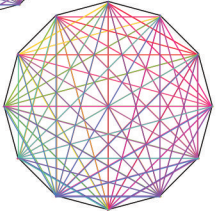
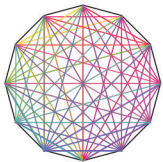
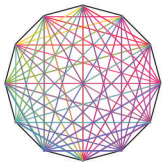


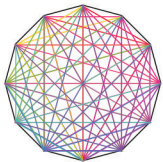
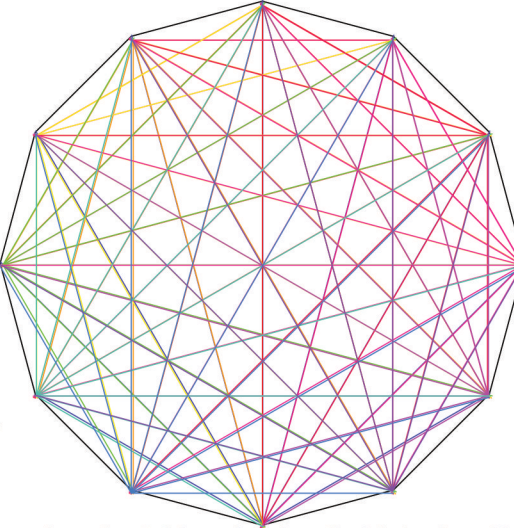

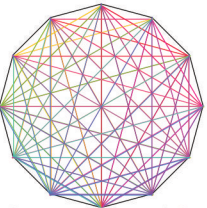
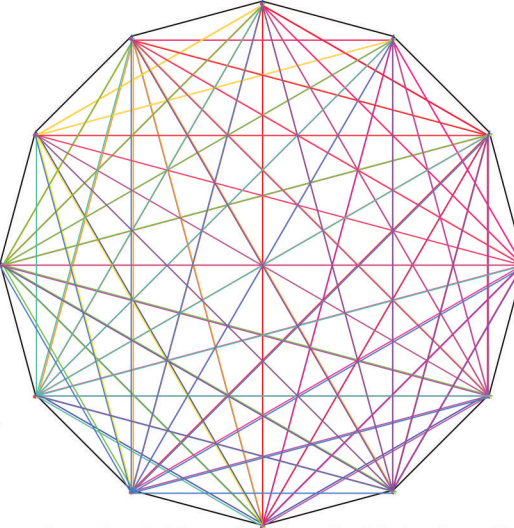
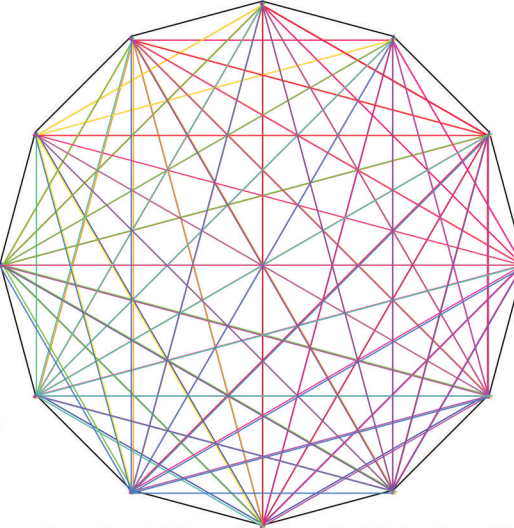
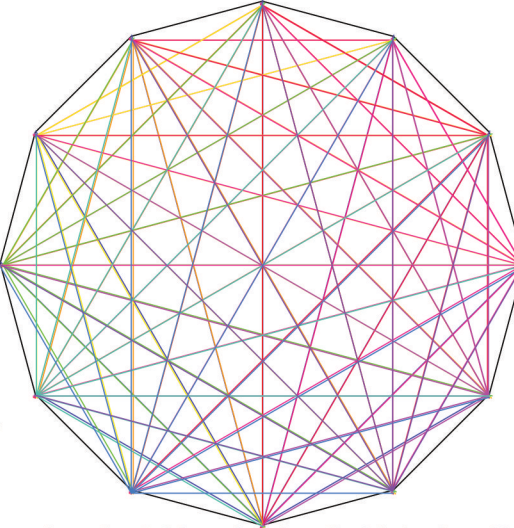
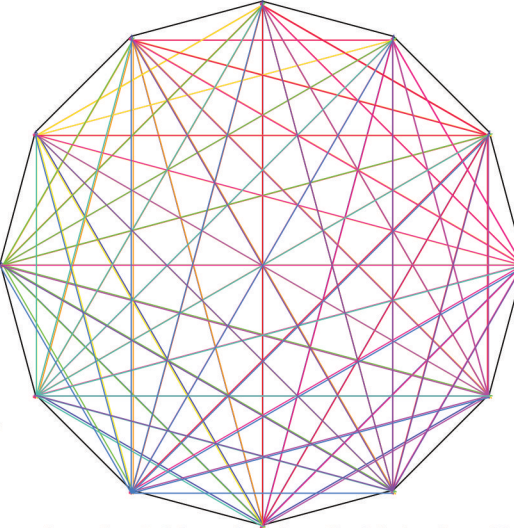
48



# INDEX

Topic

Page

The Dodecagon Examples		49
Drawing the Dodecagon and Diagonals		49
Polygons on the Protractor		50
Exploring Visio-Spatial Ability		50
Protractor		51
The Protractor and Circle Centre Finder		52
Using the features on the Protractor		52
Rulers		53
The Four Edge Rulers		53
The Rulers Examples		54
3D Clusters		55
Quick Draw 3D Objects		55
3D Clusters Examples		56
Creating 3D Objects with the Clusters		56
3D Objects Without Clusters		57
Composing 3D Objects		57
Nets		58
Nets Examples		59
Nets Examples		60
Irregular Polygon Enlargement		61
Irregular Polygon Enlargement Example		62
Irregular Polygon Enlargement		63
Exploring Theorems		64
The Midpoint Theorem		64
Visualizing Problems		65
Changes to Area and Perimeter		65

# INDEX

Topic

Page

Visualizing Problems	66
Changes to Area & Perimeter and Changes to Point of Rotation	66
Other Useful Features	67
Some Handy Ideas	67
Teacher Manual Excerpts	68
Teacher Manual Excerpts	69
Material Development and Contact details	70

