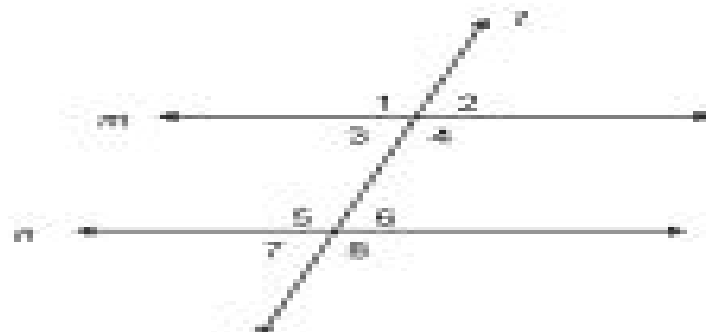


Investigating Parallel Lines and Angle Pairs

Lines m and n are parallel. Eight angles are formed when transversal t intersects lines m and n . The following postulate and theorems represent the relationships between the angles formed when parallel lines are cut by a transversal.



Postulate: If two parallel lines are cut by a transversal, then the corresponding angles are congruent.

$$\angle 1 = \angle 5 \quad \angle 2 = \angle 6 \quad \angle 3 = \angle 7 \quad \angle 4 = \angle 8$$

Theorem: If two parallel lines are cut by a transversal, then the alternate interior angles are congruent.

$$\angle 3 = \angle 6 \quad \angle 4 = \angle 5$$

Theorem: If two parallel lines are cut by a transversal, then consecutive (same side) interior angles are supplementary.

$$\angle 3 \text{ is supplementary to } \angle 5 \quad \angle 4 \text{ is supplementary to } \angle 6$$

Theorem: If two parallel lines are cut by a transversal, then same side exterior angles are supplementary.

$$\angle 1 \text{ is supplementary to } \angle 7 \quad \angle 2 \text{ is supplementary to } \angle 8$$

Theorem: If two parallel lines are cut by a transversal, then alternate exterior angles are congruent.

$$\angle 1 = \angle 8 \quad \angle 2 = \angle 7$$

Perpendicular Transversal Theorem: If a line is perpendicular to one of two parallel lines, then it is perpendicular to the second line.

Investigating Parallel Lines And Angle Pair Key

David Baker



Investigating Parallel Lines And Angle Pair Key:

The Prealgebra W/Cd V. 2. 5 Why Interactive Staff, 2001-08 *Meeting the Standards in Using ICT for Secondary Teaching* Steve Kennewell, 2013-02-01 This book explains how Information and Communications technology ICT has the potential to make a real improvement to teaching and learning across the curriculum in secondary schools It illustrates a wide variety of ways in which ICT can be used to enhance learning offering a fresh burst of inspiration for the busy secondary school teacher The author takes a structured approach ensuring that the reader is guided progressively through all the material in order to achieve the required standards for achieving Qualified Teacher Status and also to continue their development in ICT to an advanced level This book usefully analyzes all the common ICT tools and explains how teachers of each subject in the National Curriculum can exploit these tools for effective learning explores how people can learn with ICT how their skills develop and how these skills can aid their learning provides a framework for planning analysing and evaluating teaching with ICT offers a range of innovative tasks resources and methods of assessment **Key Maths** David Baker, 2001 Planned developed and written by practising classroom teachers with a wide variety of experience in schools this maths course has been designed to be enjoyable and motivating for pupils and teachers The course is open and accessible to pupils of all abilities and backgrounds and is differentiated to provide material which is appropriate for all pupils It provides spiral coverage of the curriculum which involves regular revisiting of key concepts to promote familiarity through practice This teacher's file is designed for stage three of Year 9 **Geometry** Herman Rosenberg, Donovan A. Johnson, 1968 **Key Maths GCSE** David Baker, 2002-01-11 Developed for the EDEXCEL specification this course provides preparation for GCSE success with a practical approach Detailed support and guidance are contained in the Teacher Files on advanced planning points of emphasis key words notes for the non specialist useful supplementary ideas and homework sheets **Geometry Workbook, Grade 5** Spectrum, 2013-12-02 Spectrum R Geometry for grade 5 is designed to completely support and challenge fifth graders to master geometry This 96 page math workbook goes into great depth about geometry and provides a wide range of examples practice problems and assessments to measure progress Builds a foundation in geometric angles figures area volume and graphing Step by step examples introduce new concepts Pretests and Posttests to measure progress Problem solving and critical thinking exercises Correlated to the Common Core Standards Answer key the best selling Spectrum R workbooks provide students with focused practice based on the essential skills they need to master for Common Core success With explicit skill instruction step by step examples ample practice as well as assessment tools for progress monitoring students are provided everything they need to master specific math skills Skill specific Spectrum R workbooks are the perfect supplement for home or school *Key Maths GCSE*, 2003 Developed for the CCEA Specification this Teacher File contains detailed support and guidance on advanced planning points of emphasis key words notes for the non specialist useful supplementary ideas and homework sheets **International Reflections on the Netherlands Didactics of**

Mathematics Marja van den Heuvel-Panhuizen, 2019-08-13 This open access book inspired by the ICME 13 Thematic Afternoon on European Didactic Traditions takes readers on a journey with mathematics education researchers developers and educators in eighteen countries who reflect on their experiences with Realistic Mathematics Education RME the domain specific instruction theory for mathematics education developed in the Netherlands since the late 1960s Authors from outside the Netherlands discuss what aspects of RME appeal to them their criticisms of RME and their past and current RME based projects It is clear that a particular approach to mathematics education cannot simply be transplanted to another country As such in eighteen chapters the authors describe how they have adapted RME to their individual circumstances and view on mathematics education and tell their personal stories about how RME has influenced their thinking on mathematics education

Investigations of the Aquatic Resources and Fisheries of Porto Rico by the United States Fish Commission Steamer Fish Hawk in 1899 United States. Bureau of Fisheries, 1902 *Year 6* Harcourt Education, 2003

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