Grades 3–5

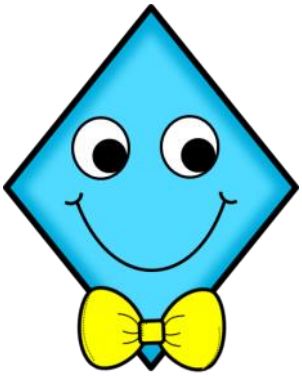
Lessons, Activities, Games, and Assessments

Classify It! Exploring Quadrilaterals

Laura Candler

Preview Version

British English Version

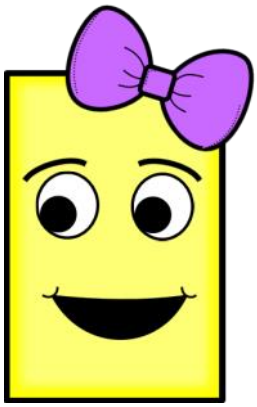


Classify It!

Exploring Quadrilaterals

British English Version

by Laura Candler



Overview 3

Introducing Quadrilateral Classification

- Teacher Directions and Lesson Ideas 4
- Types of Quadrilaterals Essential Attributes Mini Poster 5
- Types of Quadrilaterals Essential Attributes Printable 6
- Quadrilaterals for Practise and Answers 7
- Types of Quadrilaterals Large Word Cards 9
- Quadrilateral Foldable and Interactive Notebook Page 11

Classify It! Sorting Activity

- Teacher Information 13
- Classify It! Sorting Activity Materials and Preparation 14
- Classify It! Sorting Activity Directions 15
- Classify It! Sorting Mat 16
- Quadrilaterals to Classify Picture Cards 17
- Quadrilaterals to Classify Answers 19
- Quadrilateral Word Cards 22

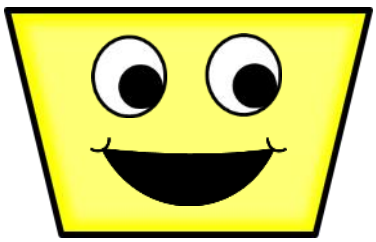
Classify It! Game

- Teacher Information 23
- Classify It! Game Materials and Preparation 24
- Classify It! Game Directions and Materials 25
- Quadrilateral Word Cards 27
- Quadrilaterals to Classify Envelope Labels 28

Quizzes 29

Appendix (Includes B&W versions) 33

Preview Version

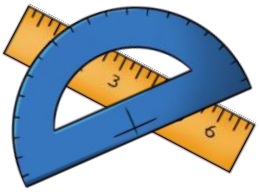


*Activities and answer keys in this version of Classify It! use the British English term "trapezium" to classify a 4-sided figure with two opposite sides parallel. The plural form of "trapezium" is "trapezia."

Classify It!

Exploring Quadrilaterals

by Laura Candler



Classify It! Exploring Quadrilaterals includes printables and directions for an introductory lesson, a cooperative learning activity, a game, and two quizzes. The student materials are provided in colour and the colour versions are shown in the teacher directions, but black and white versions are in the appendix along with variations of some pages.

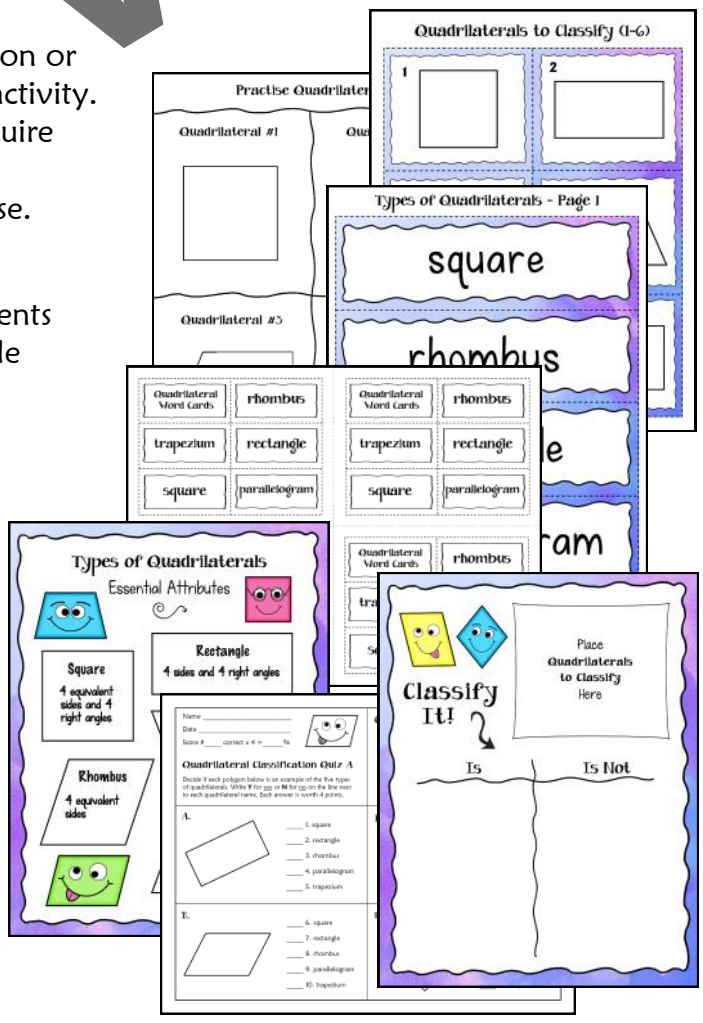
Preview Version

British English Version

A quadrilateral that has one pair of opposite sides parallel is labeled a "trapezium" in British English, while it's a "trapezoid" in American English. This version of Classify It! Exploring Quadrilaterals uses British English spellings and refers to a quadrilateral with one pair of parallel sides as a trapezium. If your curriculum classifies this shape as a trapezoid, please use one of the American English versions of Classify It! which can be found in the product zip file.

Lesson Overviews

You'll find detailed information about each lesson or activity in front of the pages that go with that activity. The introductory lesson and sorting activity require very little advanced preparation, but the game materials will take time to print out and organise.



Suggested Pacing Guide

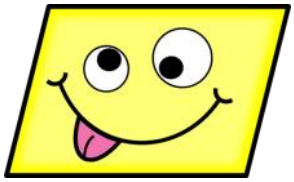
Depending on how much experience your students have had with quadrilaterals, you should be able to complete the activities in two or three days.

Day 1
- Administer Pretest (Quiz A)
- Introduce Quadrilateral Classification
- Practise Classifying Quadrilaterals

Day 2
- Classify It! Sorting Activity
- Introduce Classify It! Game
- Students Play Classify It!

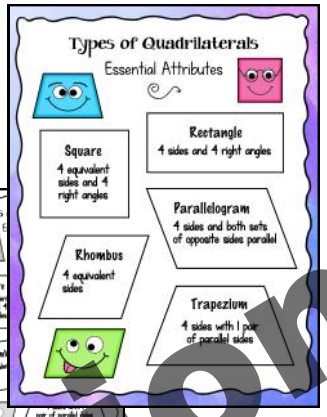
Day 3 (Optional or Math Centres)
- Students Play Classify It! Again
- Administer Posttest (Quiz B)

Introducing Quadrilateral Classification



In this whole group or small group lesson, you'll introduce five types of quadrilaterals, and students will practise classifying four examples.

Optional Pretest - Quiz A
You may wish to administer Quadrilateral Classification Quiz A (page 29) before you begin this lesson. You'll find the answer key on page 30.

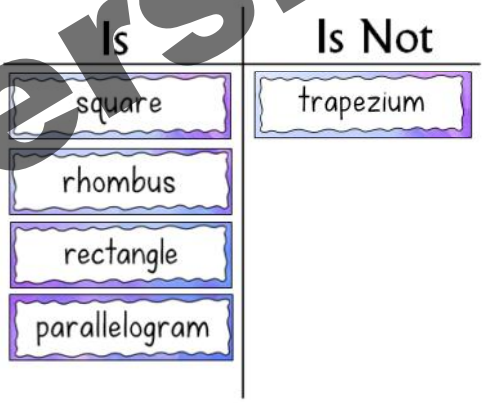


Suggested Materials

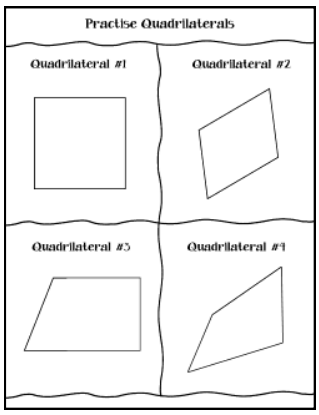
- Document camera or other method of displaying pages
- Rulers and protractors (at least 1 for every 2 students)
- 1 copy of Practise Quadrilaterals per student (page 7)
- Practise Quadrilateral Answers (page 8)
- 1 set of Large Types of Quadrilateral cards (pages 9-10)
- Foldable or Interactive Notebook pages (pages 11-12)

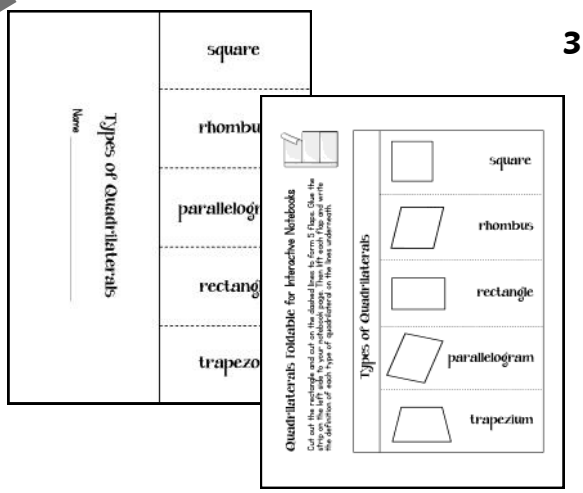
Suggested Lesson Sequence

1. **Introduce Attributes of Quadrilaterals**
   Display the Types of Quadrilaterals mini poster or give students the half-sized version. Review the essential attributes of each quadrilateral.

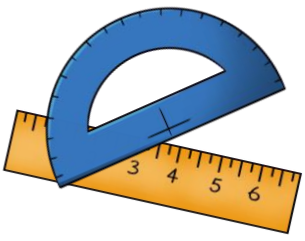


2. **Practise Classifying Quadrilaterals**
   Draw a large version of the T-chart shown here on the board or on chart paper. Give each student a copy of the Practise Quadrilaterals, a ruler, and a protractor. Starting with the first polygon, ask your students what type of quadrilateral it is. Most students will say it's a square, and if everyone agrees, place the word "Square" in the column under the word "Is." Then ask if that polygon might also be another type of quadrilateral. After they review the essential attributes, some students will realise it's also a rectangle. Continue discussing and adding the quadrilaterals until all five words are placed. Encourage students to use their rulers and protractors to verify sides and angles that appear to be equal. Repeat with remaining quadrilaterals.





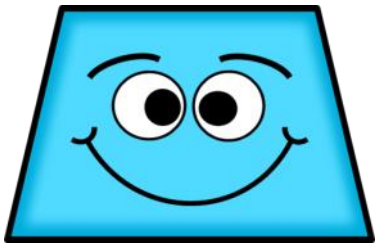
3. **Take Notes on Foldable or Interactive Notebook Page**
   If time allows, you may want your students to take notes on the foldable or interactive notebook page included on pages 11 and 12.

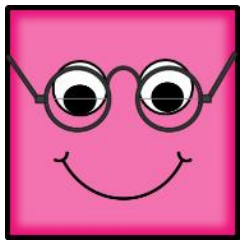


Preview Version

Types of Quadrilaterals

Essential Attributes





Square

4 equivalent sides and 4 right angles

Rectangle

4 sides and 4 right angles

Parallelogram

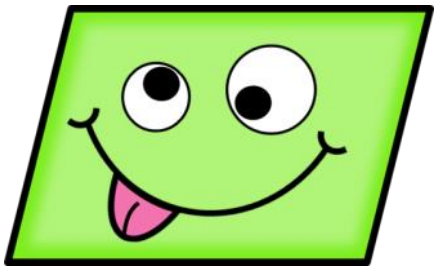
4 sides and both sets of opposite sides parallel

Rhombus

4 equivalent sides

Trapezium

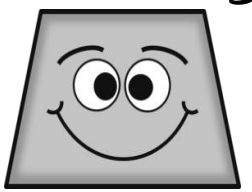
4 sides with 1 pair of parallel sides

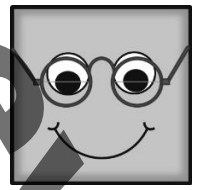


Preview Version

Types of Quadrilaterals

Essential Attributes



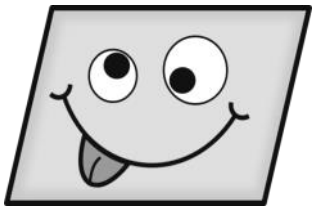


Square
4 equivalent sides and 4 right angles

Rectangle
4 sides and 4 right angles

Rhombus
4 equivalent sides

Parallelogram
4 sides and both sets of opposite sides parallel



Trapezium
4 sides with 1 pair of parallel sides

Preview Version

Types of Quadrilaterals

Essential Attributes

Square
4 equivalent sides and 4 right angles

Rectangle
4 sides and 4 right angles

Rhombus
4 equivalent sides

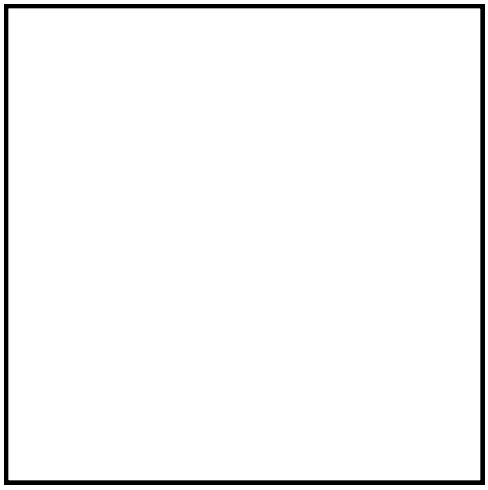
Parallelogram
4 sides and both sets of opposite sides parallel

Trapezium
4 sides with 1 pair of parallel sides

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com

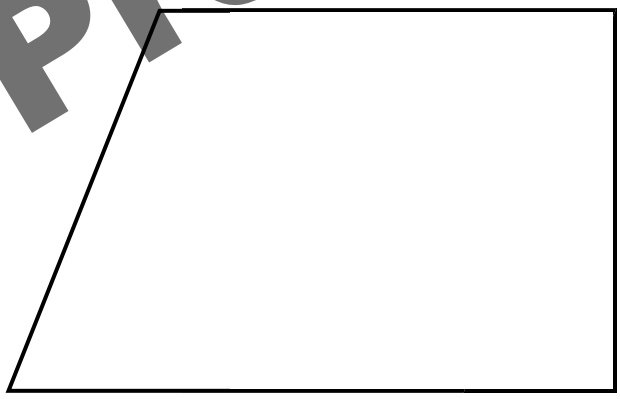
Practise Quadrilaterals

Quadrilateral #1

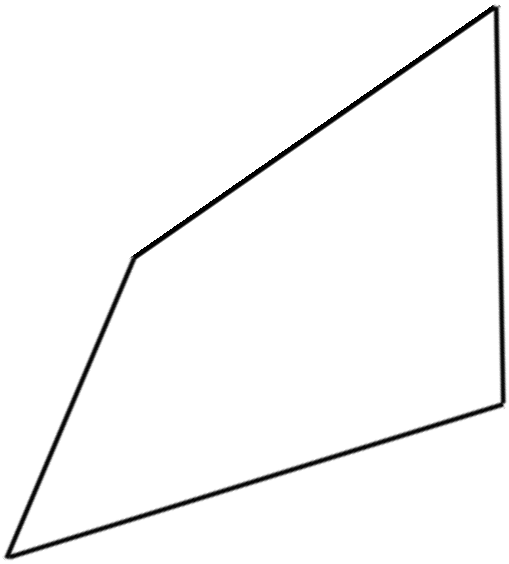


Quadrilateral #2

Quadrilateral #3



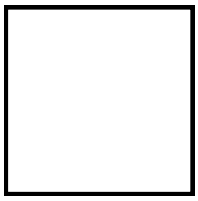
Quadrilateral #4



Preview Version

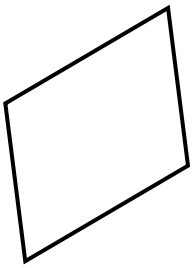
Practise Quadrilateral Answers

Quadrilateral #1 Answers



Is	Is Not
square rhombus rectangle parallelogram	trapezium

Quadrilateral #2 Answers

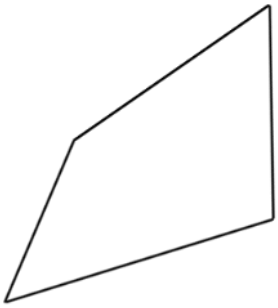


Is	Is Not
parallelogram	square rhombus rectangle trapezium

Quadrilateral #3 Answers

Is	Is Not
trapezium	square rhombus rectangle parallelogram

Quadrilateral #4 Answers



Is	Is Not
	square rhombus rectangle parallelogram trapezium

Preview Version

Types of Quadrilaterals - Page 1

square

rhombus

rectangle

parallelogram

Preview Version

Types of Quadrilaterals - Page 2

trapezium

Preview Version

Name _____

Types of Quadrilaterals

square

rhombus

parallelogram

rectangle

trapezium

Preview Version

Quadrilaterals Foldable for Interactive Notebooks

Cut out the rectangle and cut on the dashed lines to form 5 flaps. Glue the strip on the left side to your notebook page. Then lift each flap and write the definition of each type of quadrilateral on the lines underneath.

Types of Quadrilaterals

square

rhombus

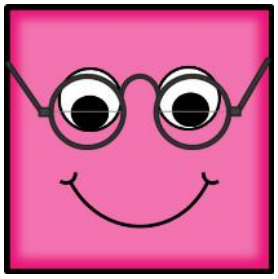
rectangle

parallelogram

trapezium

Preview Version

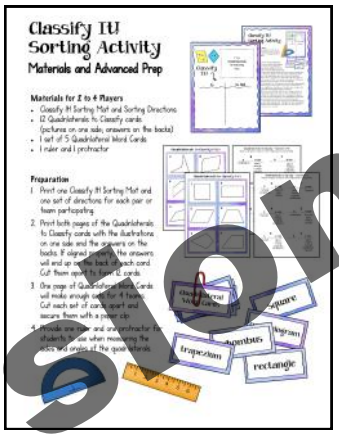
Classify It! Sorting Activity



The Classify It! Sorting Activity provides a chance for students to work together to practise skills they learned in the previous lesson. This activity also makes a wonderful math centre for partners after you introduce it in a whole group or small group setting.

Materials Needed and Advanced Preparation

Refer to the step-by-step directions on page 14 for details about how to prepare for this activity. If you're short on time, just print the pages you need, and ask your students to help cut out the task cards and word cards before they begin the activity.

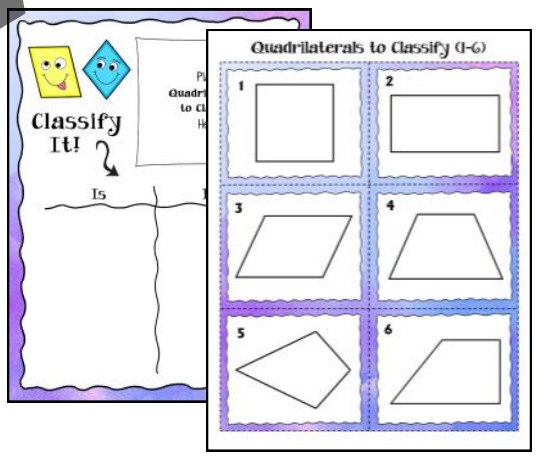


Lesson Suggestions

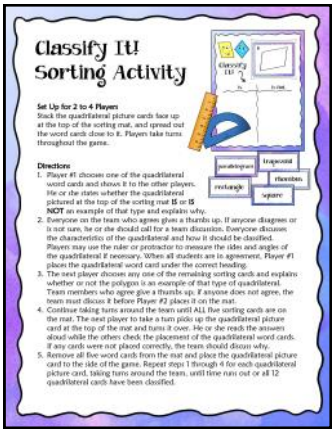
1. **Distribute the Materials**
   Give each pair or team of students a Classify It! Sorting Mat, a set of Quadrilaterals to Classify task cards (with the answers on the backs) and one set of Quadrilateral Word Cards for the group. Also, give them protractors and rulers to use to verify the equivalent sides and angles.

2. **Model the Sorting Activity**
   If you introduce this activity immediately after the previous lesson, your students may tell you they know what to do. However, you still need to model the directions for them. If you don't, your more assertive students may dominate the game and not allow the others to participate equally. Usually if you explain the importance of each step, your students will be more likely to take turns, wait patiently, and work cooperatively.

   Display a copy of the sorting activity directions for the class. Walk them through the activity in a step-by-step manner. Be sure they understand that this is a cooperative learning practise activity and not a competitive game. If they disagree with how a certain quadrilateral is being classified, they should speak up and call for a team discussion.



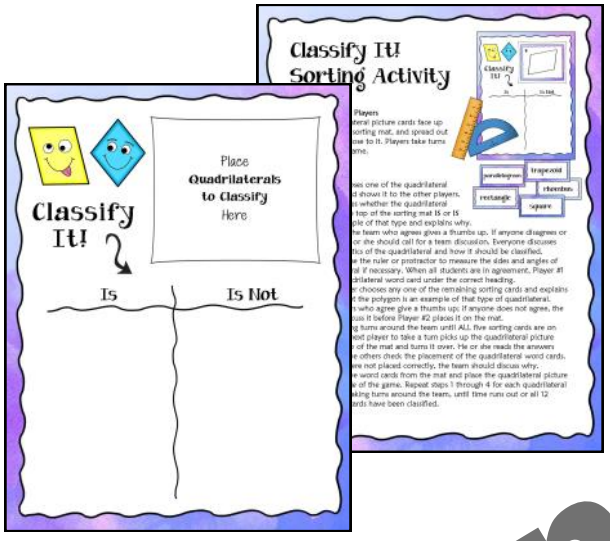
3. **Students in Pairs or Teams Complete Sorting Activity**
   Number the students off clockwise around the team, so they know who Player #1 is and the order of play. As your students work, walk around to observe whether or not they are classifying the quadrilaterals properly.



Preview Version

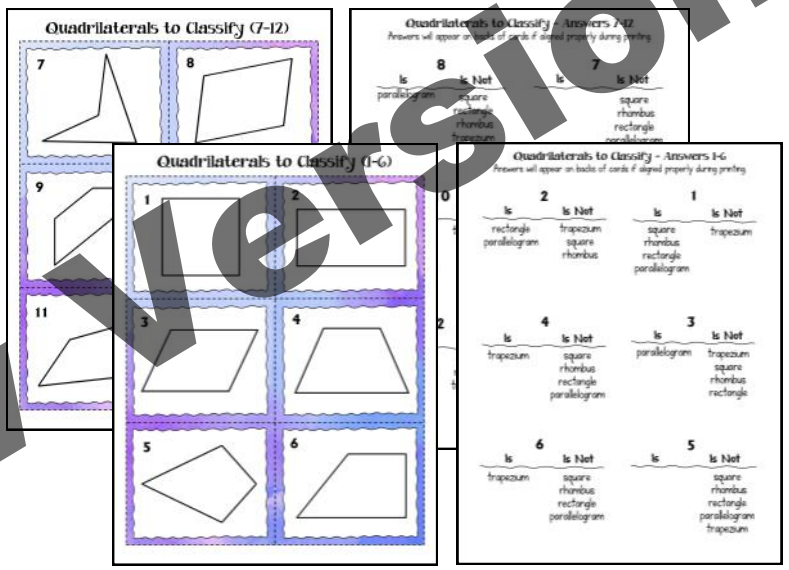
Classify It! Sorting Activity

Materials and Advanced Prep



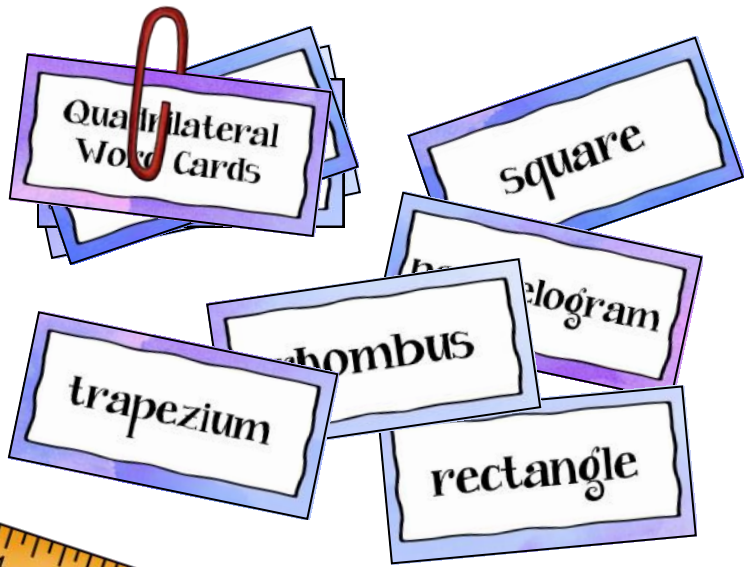
Materials for 2 to 4 Players

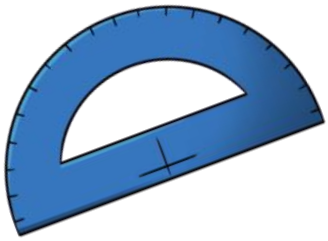
- Classify It! Sorting Mat and Sorting Directions
- 12 Quadrilaterals to Classify cards (pictures on one side; answers on the backs)
- 1 set of 5 Quadrilateral Word Cards
- 1 ruler and 1 protractor

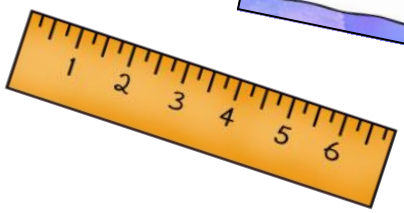


Preparation

1. Print one Classify It! Sorting Mat and one set of directions for each pair or team participating.
2. Print both pages of the Quadrilaterals to Classify cards with the illustrations on one side and the answers on the backs. If aligned properly, the answers will end up on the back of each card. Cut them apart to form 12 cards.
3. One page of Quadrilateral Word Cards will make enough sets for 4 teams. Cut each set of cards apart and secure them with a paper clip.
4. Provide one ruler and one protractor for students to use when measuring the sides and angles of the quadrilaterals.

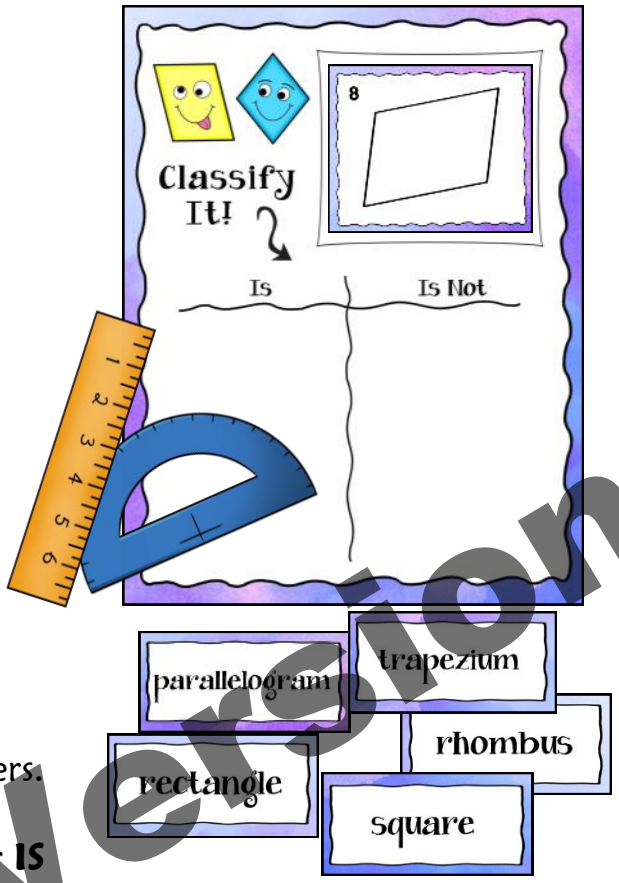






Preview Version

Classify It! Sorting Activity

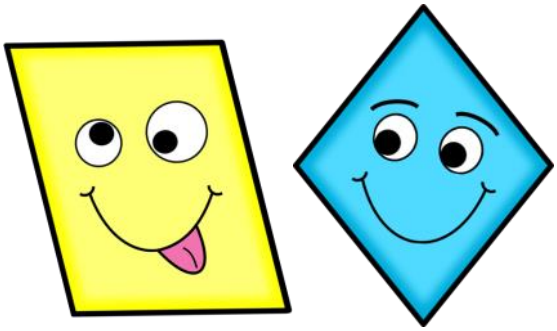


Set Up for 2 to 4 Players
Stack the quadrilateral picture cards face up at the top of the sorting mat, and spread out the word cards close to it. Players take turns throughout the game.

Directions

1. Player #1 chooses one of the quadrilateral word cards and shows it to the other players. He or she states whether the quadrilateral pictured at the top of the sorting mat **IS** or **IS NOT** an example of that type and explains why.
2. Everyone on the team who agrees gives a thumbs up. If anyone disagrees or is not sure, he or she should call for a team discussion. Everyone discusses the characteristics of the quadrilateral and how it should be classified. Players may use the ruler or protractor to measure the sides and angles of the quadrilateral if necessary. When all students are in agreement, Player #1 places the quadrilateral word card under the correct heading.
3. The next player chooses any one of the remaining sorting cards and explains whether or not the polygon is an example of that type of quadrilateral. Team members who agree give a thumbs up; if anyone does not agree, the team must discuss it before Player #2 places it on the mat.
4. Continue taking turns around the team until ALL five sorting cards are on the mat. The next player to take a turn picks up the quadrilateral picture card at the top of the mat and turns it over. He or she reads the answers aloud while the others check the placement of the quadrilateral word cards. If any cards were not placed correctly, the team should discuss why.
5. Remove all five word cards from the mat and place the quadrilateral picture card to the side of the game. Repeat steps 1 through 4 for each quadrilateral picture card, taking turns around the team, until time runs out or all 12 quadrilateral cards have been classified.

Preview Version



Classify It!

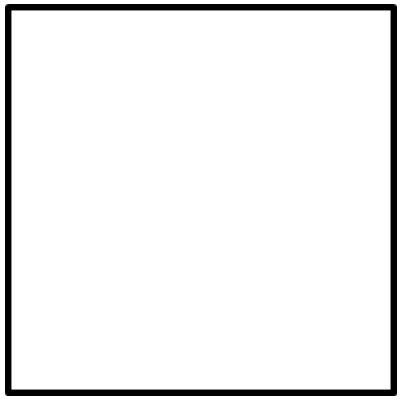
Place **Quadrilaterals to Classify** Here

Is	Is Not

Preview Version

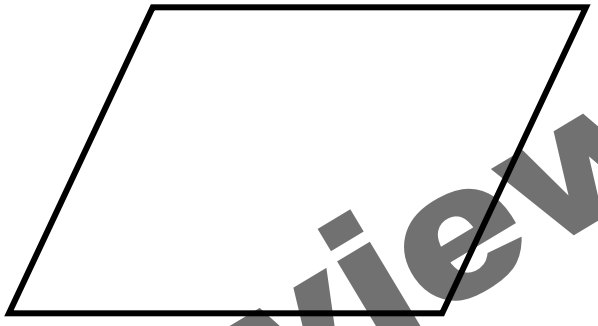
Quadrilaterals to Classify (1-6)

1

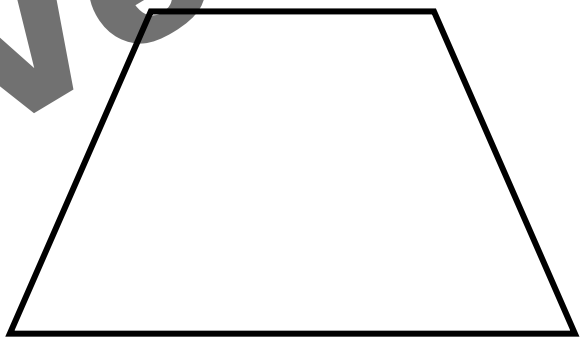


2

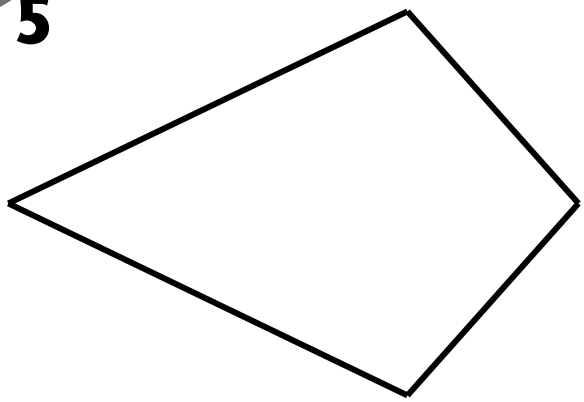
3



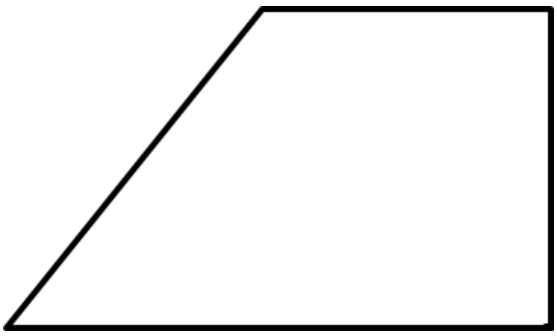
4



5



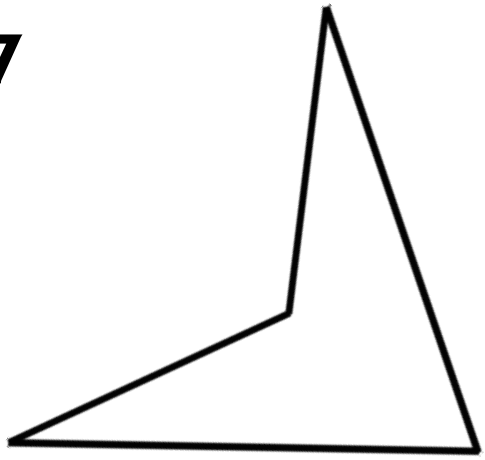
6



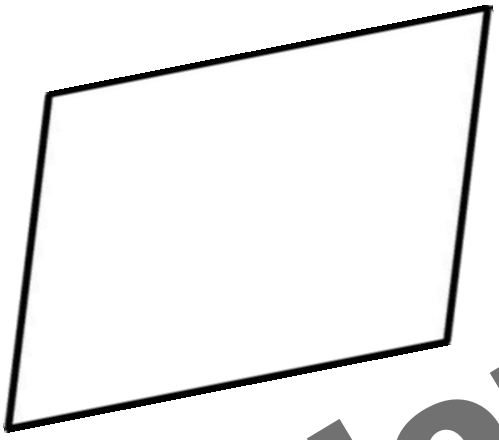
Preview Version

Quadrilaterals to Classify (7-12)

7

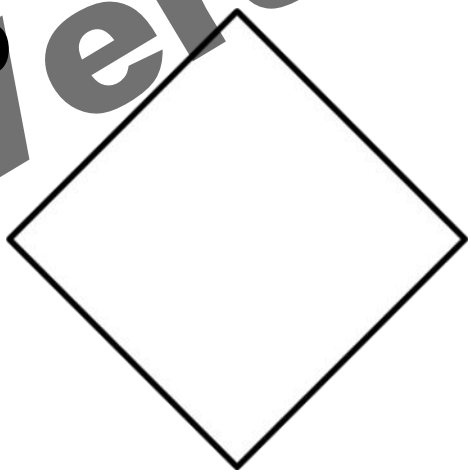


8

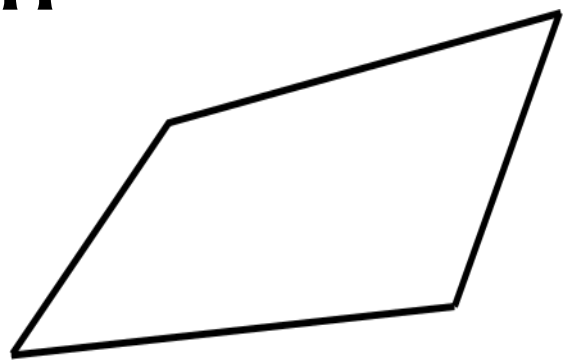


9

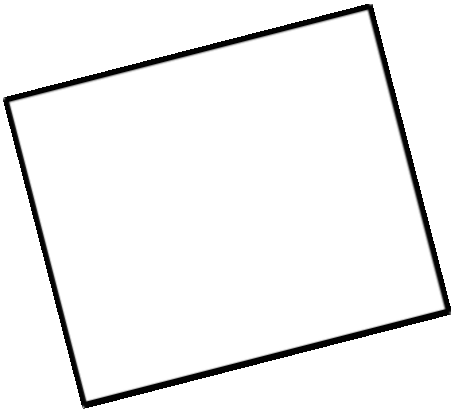
10



11



12



Preview Version

Quadrilaterals to Classify - Answers 1-6

Answers will appear on backs of cards if aligned properly during printing.

2

Is	Is Not
rectangle parallelogram	trapezium square rhombus

1

Is	Is Not
square rhombus rectangle parallelogram	trapezium

4

Is	Is Not
trapezium	square rhombus rectangle parallelogram

3

Is	Is Not
parallelogram	trapezium square rhombus rectangle

6

Is	Is Not
trapezium	square rhombus rectangle parallelogram

5

Is	Is Not
	square rhombus rectangle parallelogram trapezium

Preview Version

Quadrilaterals to Classify - Answers 7-12

Answers will appear on backs of cards if aligned properly during printing.

8

Is	Is Not
parallelogram	square rectangle rhombus trapezium

7

Is	Is Not
	square rhombus rectangle parallelogram trapezium

10

Is	Is Not
square rhombus rectangle parallelogram	trapezium

9

Is	Is Not
trapezium	square rhombus rectangle parallelogram

12

Is	Is Not
rectangle parallelogram	square rhombus trapezium

11

Is	Is Not
	square rhombus rectangle parallelogram trapezium

Preview Version

Quadrilaterals to Classify

Answers will appear on backs of cards if aligned properly during printing.

#___

Is Is Not

#___

Is Is Not

#___

Is Is Not

#___

Is Is Not

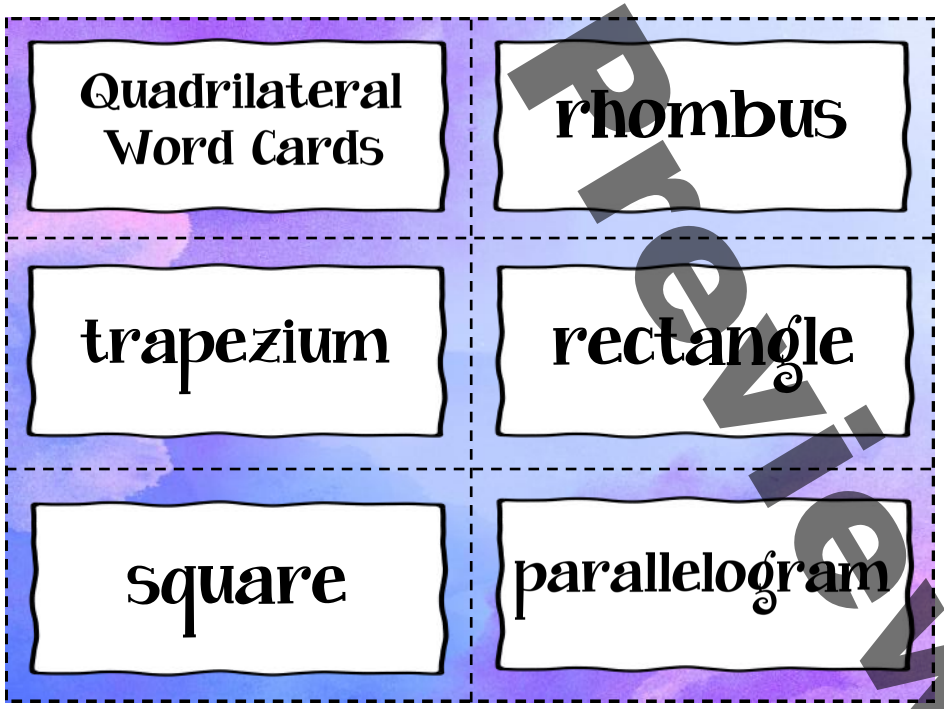
#___

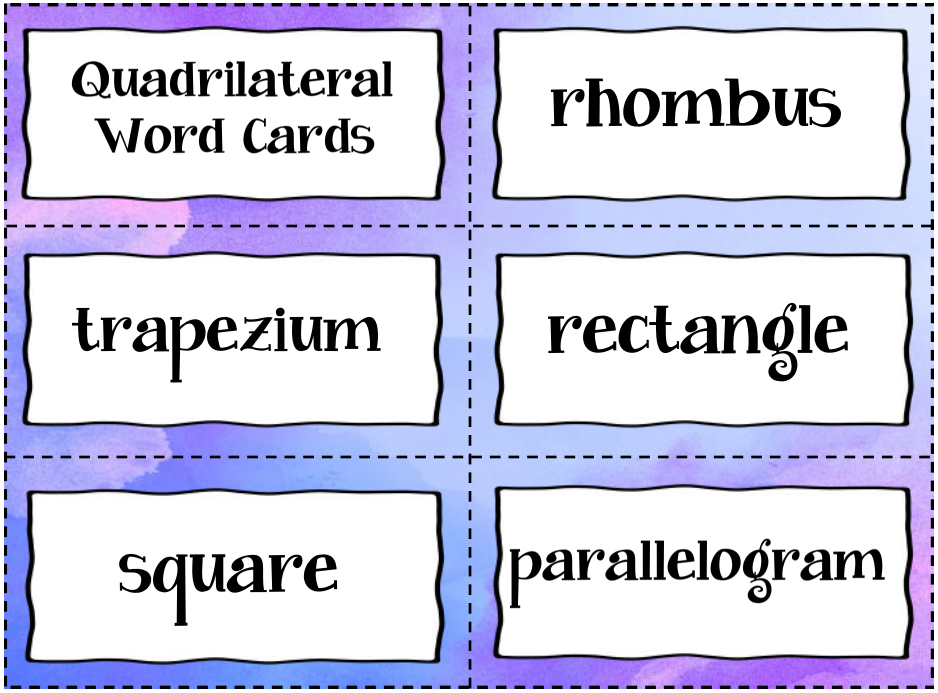
Is Is Not

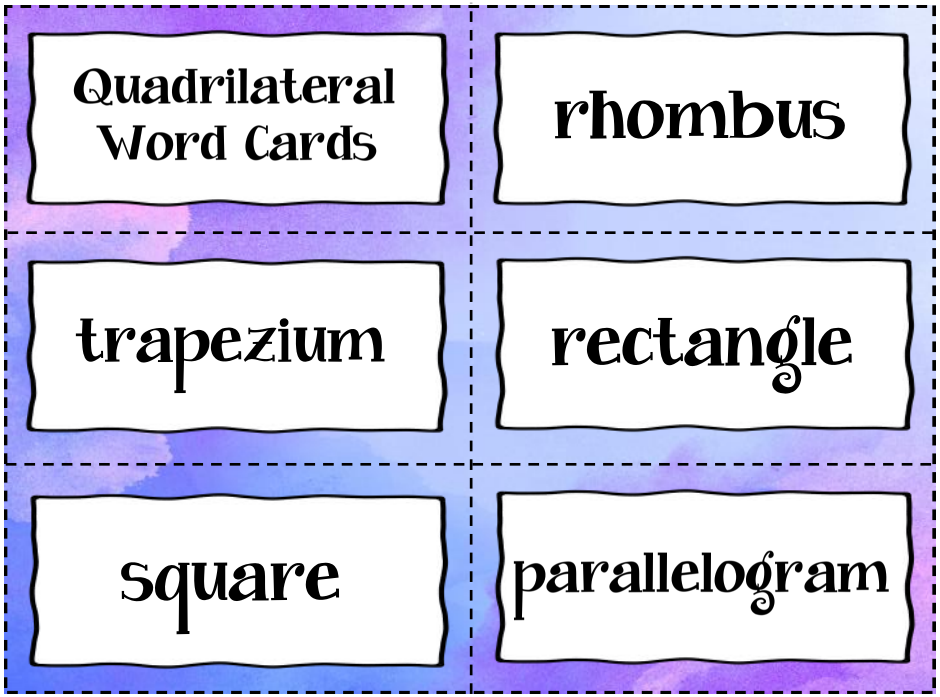
#___

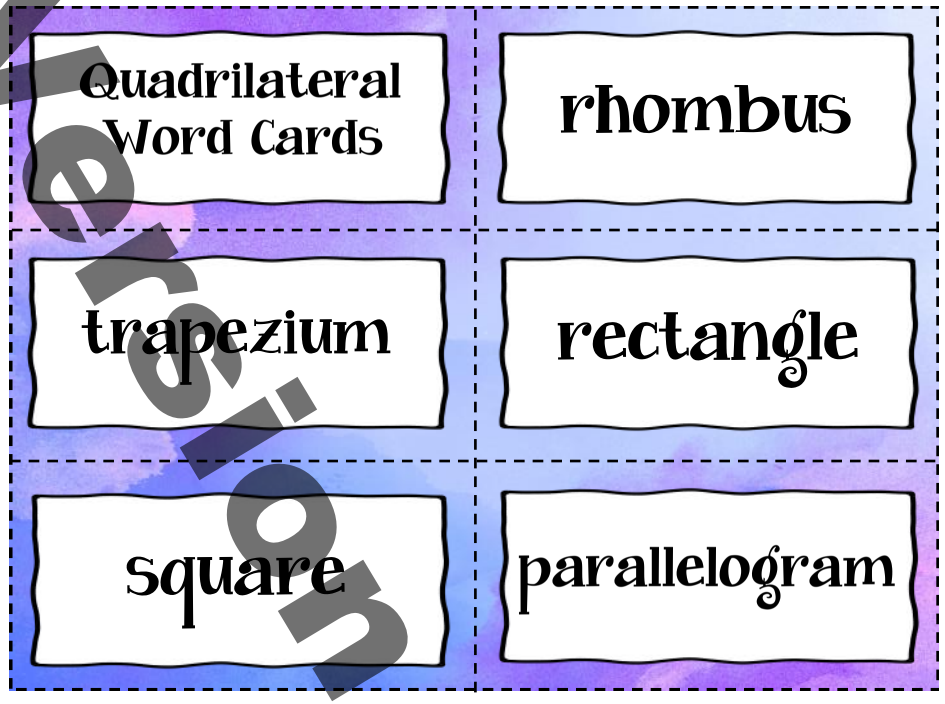
Is Is Not

Preview Version





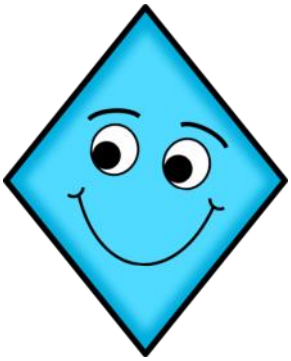




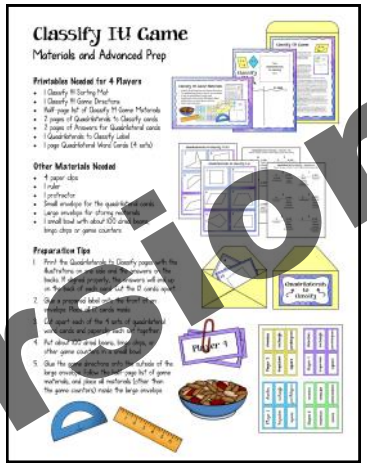
Preview Version

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.laurcandlerontpt.com

Classify It! Game

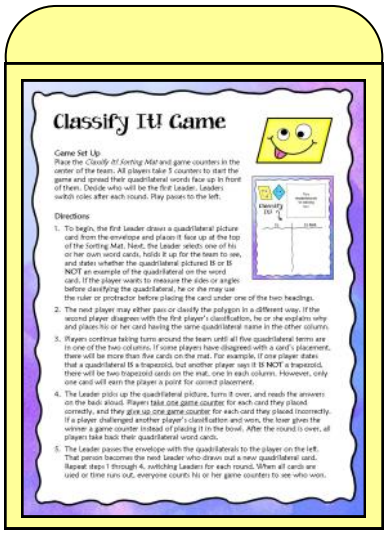


The Classify It! Game is the ultimate test of whether or not your students understand the essential attributes of quadrilaterals! The game is designed for two to four players, and it's competitive, with students scoring points for correct answers and losing points for incorrect answers. It's best to introduce the game after your students have participated in the sorting activity. This is a terrific game for math centres, but the rules are a bit tricky so you'll want to introduce the game to the whole class before putting it in a centre.



Materials Needed and Advanced Preparation
Refer to the step-by-step directions on page 24 for details about how to prepare the game materials. The materials are a bit time consuming to prepare, so you'll need to plan for the game in advance. Be sure to laminate each set and store them to use again.

Assigning Teams or Partners
If you have a wide variety of abilities in your class, assign students to similar-ability teams for the game. If you have a group that needs extra help, you can supervise that group after you model the game for the rest of the class and get them started.

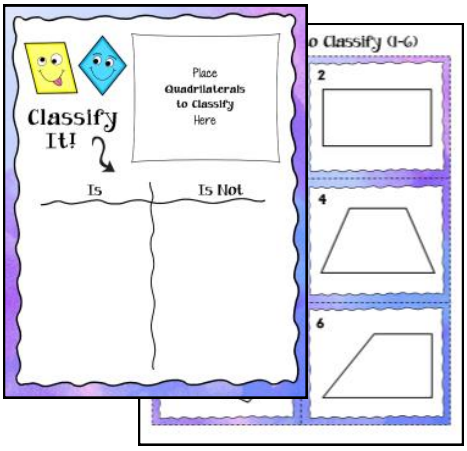


Lesson Suggestions

1. **Distribute the Game Materials**
   Give each team a large envelope with the Classify It! game materials inside and the game directions on the outside. In addition, give each team a small bowl of game counters (dried beans, bingo chips, etc.)

2. **Introduce the Classify It! Game**
   Explain that the Classify It! game is similar to the sorting activity, and it uses the same quadrilateral cards and sorting mat. However, the game is different in two important ways. First, players are not allowed to ask for help during the game, and they may not discuss the placement of the cards until the end of the game. Also, they will earn points for correct answers and lose points for incorrect answers.

   Walk your students through the directions, making sure they understand what to do if they disagree with the placement of a card and how to award points using the game counters.

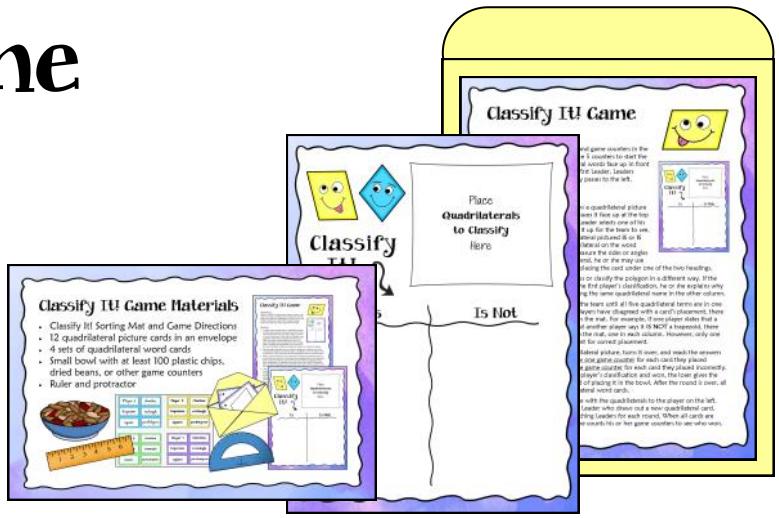


3. **Students in Pairs or Play Game**
   Number the students clockwise around the team, so they know who the first Leader is and the order of play. As they are working, walk around to see if they are following the game directions and classifying the quadrilaterals properly.

Preview Version

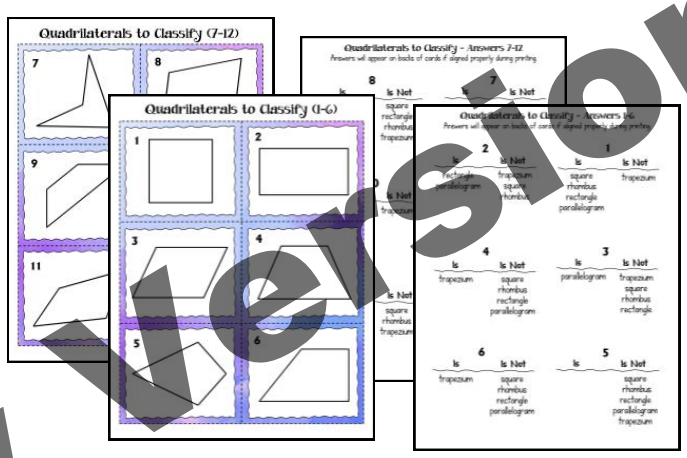
Classify It! Game

Materials and Advanced Prep



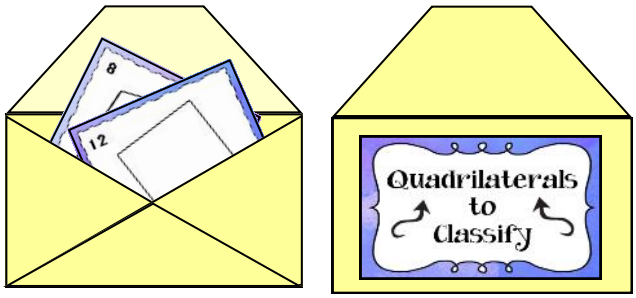
Printables Needed for 4 Players

- 1 Classify It! Sorting Mat
- 1 Classify It! Game Directions
- Half-page list of Classify It! Game Materials
- 2 pages of Quadrilaterals to Classify cards
- 2 pages of Answers for Quadrilateral cards
- 1 Quadrilaterals to Classify Label
- 1 page Quadrilateral Word Cards (4 sets)



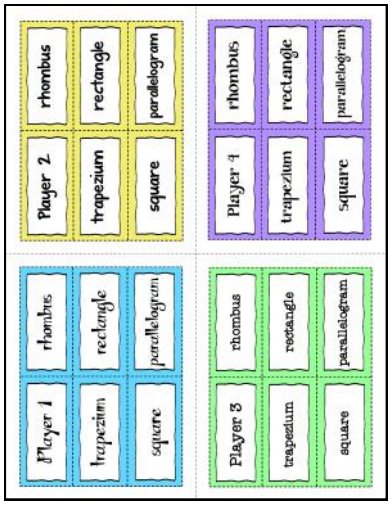
Other Materials Needed

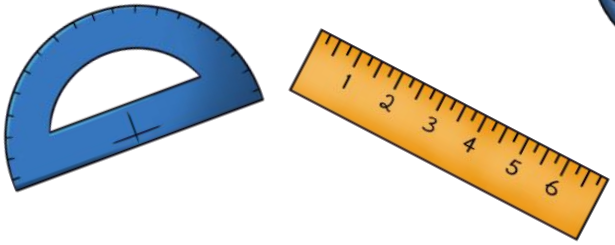
- 4 paper clips
- 1 ruler
- 1 protractor
- Small envelope for the quadrilateral cards
- Large envelope for storing materials
- 1 small bowl with about 100 dried beans, bingo chips or game counters



Preparation Tips

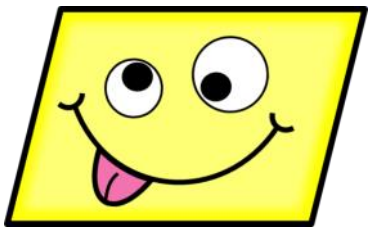
1. Print the Quadrilaterals to Classify pages with the illustrations on one side and the answers on the backs. If aligned properly, the answers will end up on the back of each card. Cut the 12 cards apart.
2. Glue a prepared label onto the front of an envelope. Place all 12 cards inside.
3. Cut apart each of the 4 sets of quadrilateral word cards and paperclip each set together.
4. Put about 100 dried beans, bingo chips, or other game counters in a small bowl.
5. Glue the game directions onto the outside of the large envelope. Follow the half-page list of game materials, and place all materials (other than the game counters) inside the large envelope.





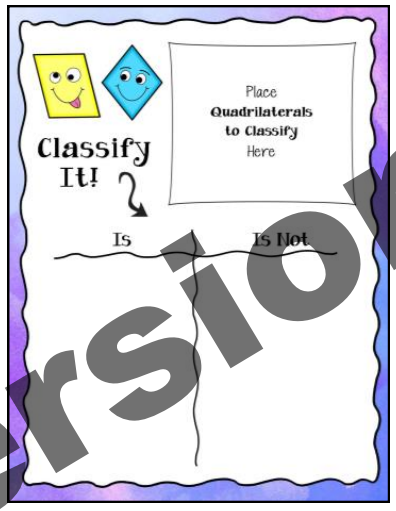
Preview Version

Classify It! Game



Game Set Up

Place the Classify It! Sorting Mat and game counters in the centre of the team. All players take 5 counters to start the game and spread their quadrilateral words face up in front of them. Decide who will be the first Leader. Leaders switch roles after each round. Play passes to the left.



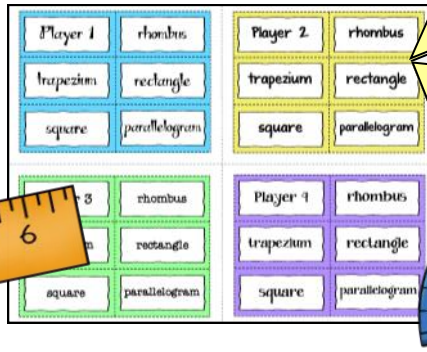
Directions

1. To begin, the first Leader draws a quadrilateral picture card from the envelope and places it face up at the top of the Sorting Mat. Next, the Leader selects one of his or her own word cards, holds it up for the team to see, and states whether the quadrilateral pictured **IS** or **IS NOT** an example of the quadrilateral on the word card. If the player wants to measure the sides or angles before classifying the quadrilateral, he or she may use the ruler or protractor before placing the card under one of the two headings.
2. The next player may either pass or classify the polygon in a different way. If the second player disagrees with the first player's classification, he or she explains why and places his or her card having the same quadrilateral name in the other column.
3. Players continue taking turns around the team until all five quadrilateral terms are in one of the two columns. If some players have disagreed with a card's placement, there will be more than five cards on the mat. For example, if one player states that a quadrilateral **IS** a trapezium, but another player says it **IS NOT** a trapezium, there will be two trapezium cards on the mat, one in each column. However, only one card will earn the player a point for correct placement.
4. The Leader picks up the quadrilateral picture, turns it over, and reads the answers on the back aloud. Players take one game counter for each card they placed correctly, and they give up one game counter for each card they placed incorrectly. If a player challenged another player's classification and won, the loser gives the winner a game counter instead of placing it in the bowl. After the round is over, all players take back their quadrilateral word cards.
5. The Leader passes the envelope with the quadrilaterals to the player on the left. That person becomes the next Leader who draws out a new quadrilateral card. Repeat steps 1 through 4, switching Leaders for each round. When all cards are used or time runs out, everyone counts his or her game counters to see who won.

Preview Version

Classify It! Game Materials

- Classify It! Sorting Mat and Game Directions
- 12 quadrilateral picture cards in an envelope
- 4 sets of quadrilateral word cards
- Small bowl with at least 100 plastic chips, dried beans, or other game counters
- Ruler and protractor



Player 1	rhombus
trapezium	rectangle
square	parallelogram

Player 2	rhombus
trapezium	rectangle
square	parallelogram

Player 3	rhombus
trapezium	rectangle
square	parallelogram

Player 4	rhombus
trapezium	rectangle
square	parallelogram

Preview Version

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com

Labels for Quadrilateral Sets

Quadrilaterals to Classify

Quadrilaterals to Classify

Quadrilaterals to Classify

Quadrilaterals to Classify

Quadrilaterals to Classify

Quadrilaterals to Classify

Quadrilaterals to Classify

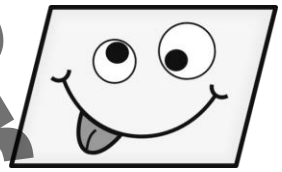
Quadrilaterals to Classify

Preview Version

Name _____

Date _____

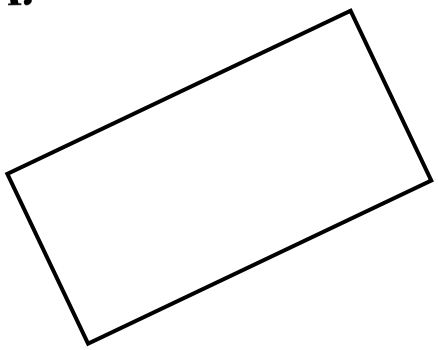
Score #_____ correct x 4 =_____%



Quadrilateral Classification Quiz *A*

Decide if each polygon below is an example of the five types of quadrilaterals. Write **Y** for yes or **N** for no on the line next to each quadrilateral name. Each answer is worth 4 points.

A.



_____ 1. square

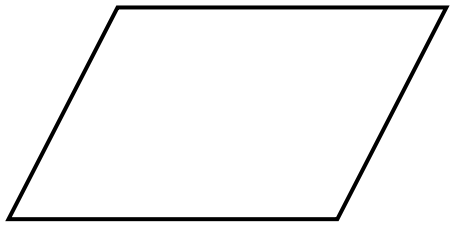
_____ 2. rectangle

_____ 3. rhombus

_____ 4. parallelogram

_____ 5. trapezium

B.



_____ 6. square

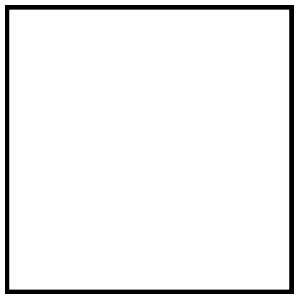
_____ 7. rectangle

_____ 8. rhombus

_____ 9. parallelogram

_____ 10. trapezium

C.



_____ 11. square

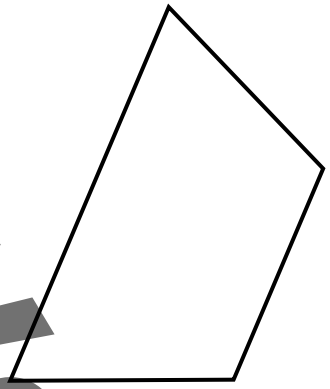
_____ 12. rectangle

_____ 13. rhombus

_____ 14. parallelogram

_____ 15. trapezium

D.



_____ 16. square

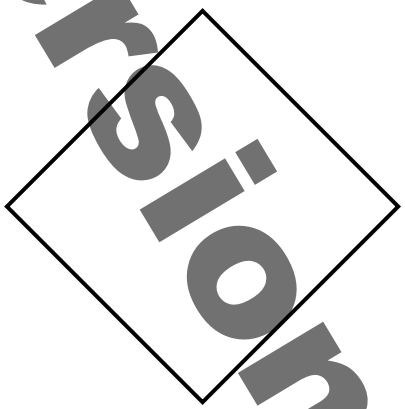
_____ 17. rectangle

_____ 18. rhombus

_____ 19. parallelogram

_____ 20. trapezium

E.



_____ 21. square

_____ 22. rectangle

_____ 23. rhombus

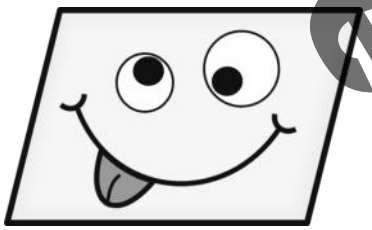
_____ 24. parallelogram

_____ 25. trapezium

Preview Version

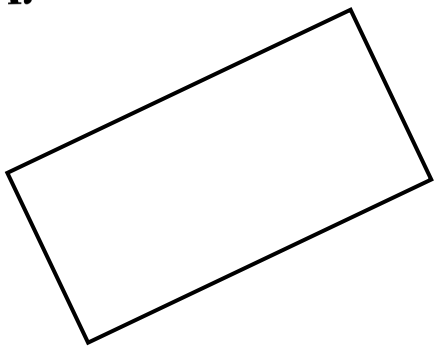
©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com

Quadrilateral Classification Quiz A Answer Key



Preview Version

A.



N 1. square

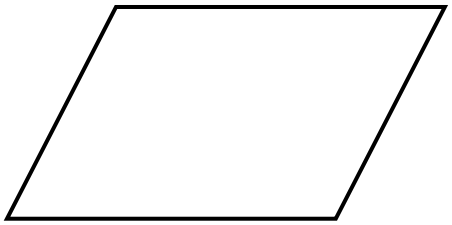
Y 2. rectangle

N 3. rhombus

Y 4. parallelogram

N 5. trapezium

B.



N 6. square

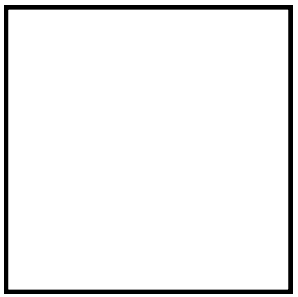
N 7. rectangle

N 8. rhombus

Y 9. parallelogram

N 10. trapezium

C.



Y 11. square

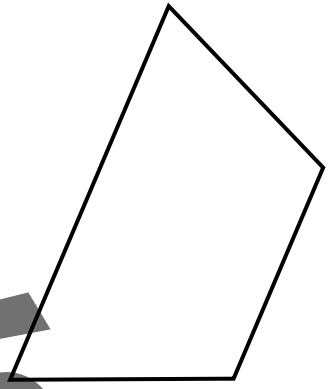
Y 12. rectangle

Y 13. rhombus

Y 14. parallelogram

N 15. trapezium

D.



N 16. square

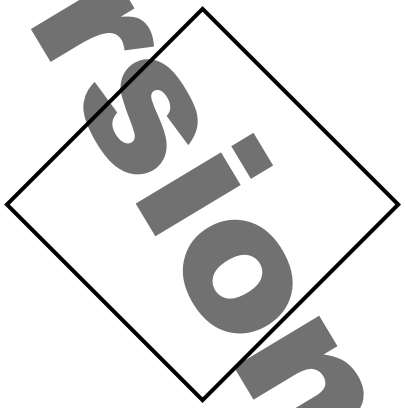
N 17. rectangle

N 18. rhombus

N 19. parallelogram

Y 20. trapezium

E.



Y 21. square

Y 22. rectangle

Y 23. rhombus

Y 24. parallelogram

N 25. trapezium

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com

Name _____

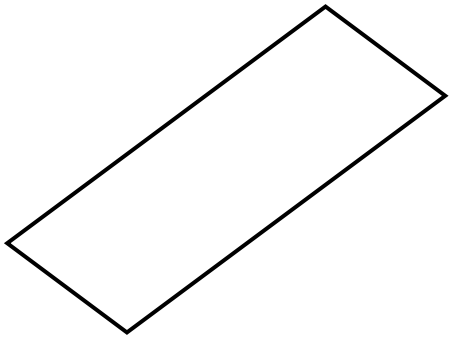
Date _____

Score #_____ correct x 4 =_____%

Quadrilateral Classification Quiz B

Decide if each polygon below is an example of the five types of quadrilaterals. Write **Y** for yes or **N** for no on the line next to each quadrilateral name. Each answer is worth 4 points.

A.



_____ 1. square

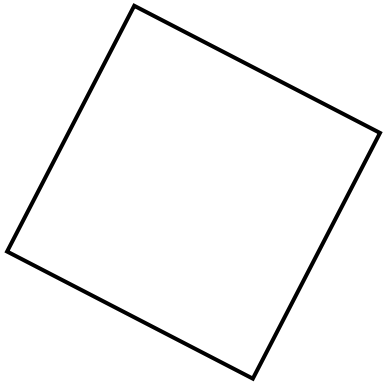
_____ 2. rectangle

_____ 3. rhombus

_____ 4. parallelogram

_____ 5. trapezium

B.



_____ 6. square

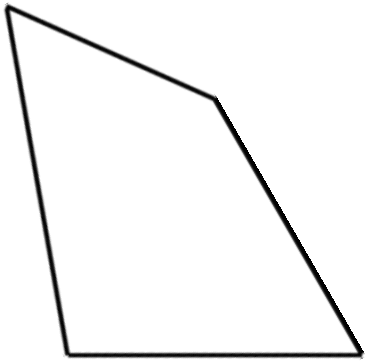
_____ 7. rectangle

_____ 8. rhombus

_____ 9. parallelogram

_____ 10. trapezium

C.



_____ 11. square

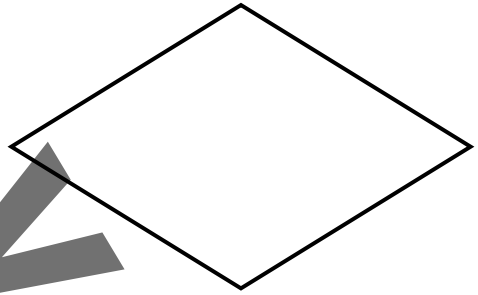
_____ 12. rectangle

_____ 13. rhombus

_____ 14. parallelogram

_____ 15. trapezium

D.



_____ 16. square

_____ 17. rectangle

_____ 18. rhombus

_____ 19. parallelogram

_____ 20. trapezium

E.

_____ 21. square

_____ 22. rectangle

_____ 23. rhombus

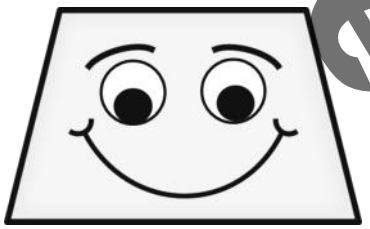
_____ 24. parallelogram

_____ 25. trapezium

Preview Version

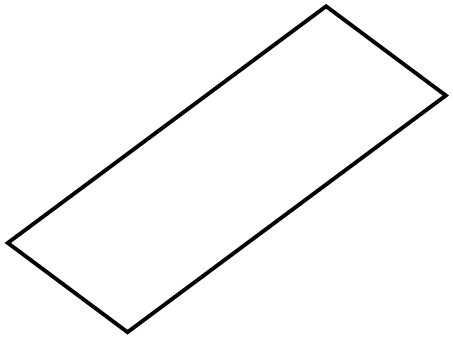
©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com

Quadrilateral Classification
Quiz B Answer Key



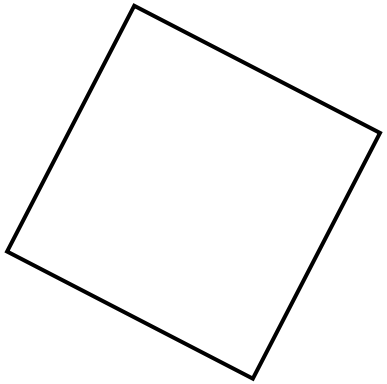
Preview Version

A.



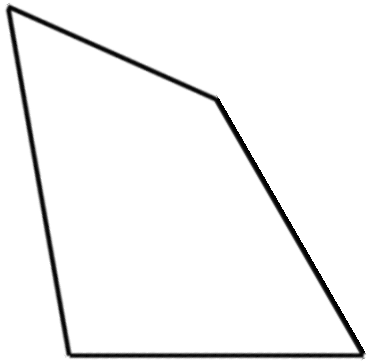
N 1. square
N 2. rectangle
N 3. rhombus
Y 4. parallelogram
N 5. trapezium

B.



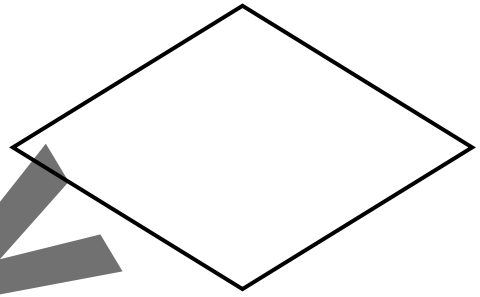
Y 6. square
Y 7. rectangle
Y 8. rhombus
Y 9. parallelogram
N 10. trapezium

C.



N 11. square
N 12. rectangle
N 13. rhombus
N 14. parallelogram
N 15. trapezium

D.

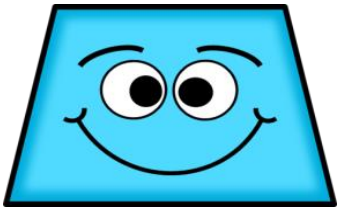


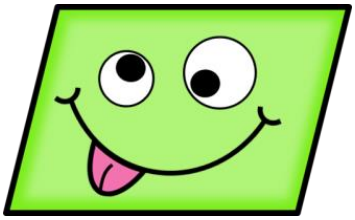
N 16. square
N 17. rectangle
Y 18. rhombus
Y 19. parallelogram
N 20. trapezium

E.

N 21. square
Y 22. rectangle
N 23. rhombus
Y 24. parallelogram
N 25. trapezium

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.lauracandlerontpt.com





Appendix

Additional Printables & Page Variations

This appendix includes black and white versions of the student pages. You'll also find blank templates to use for creating your own task cards or modifying the answer keys. In addition, you'll find some variations of the pages with the silly quadrilateral faces that don't include the faces. Scroll through the selection of printables to find what you need!

Preview Version

Types of Quadrilaterals

Essential Attributes

Square

4 equivalent sides and 4 right angles

Rectangle

4 sides and 4 right angles

Parallelogram

4 sides and both sets of opposite sides parallel

Rhombus

4 equivalent sides

Trapezium

4 sides with 1 pair of parallel sides

Preview Version

Types of Quadrilaterals

Essential Attributes

Square

4 equivalent sides and 4 right angles

Rectangle

4 sides and 4 right angles

Parallelogram

4 sides and both sets of opposite sides parallel

Rhombus

4 equivalent sides

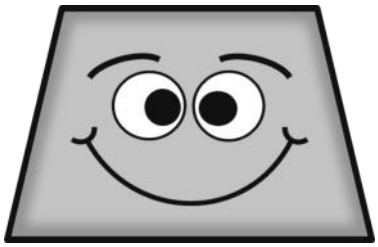
Trapezium

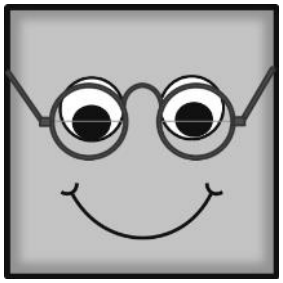
4 sides with 1 pair of parallel sides

Preview Version

Types of Quadrilaterals

Essential Attributes





Square

4 equivalent sides and 4 right angles

Rectangle

4 sides and 4 right angles

Parallelogram

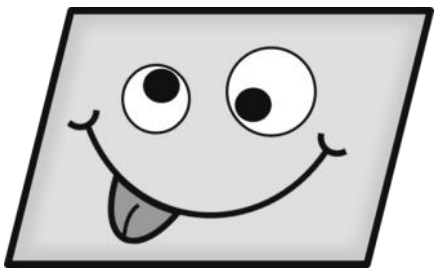
4 sides and both sets of opposite sides parallel

Rhombus

4 equivalent sides

Trapezium

4 sides with 1 pair of parallel sides



Preview Version

Types of Quadrilaterals - Page 1

square

rhombus

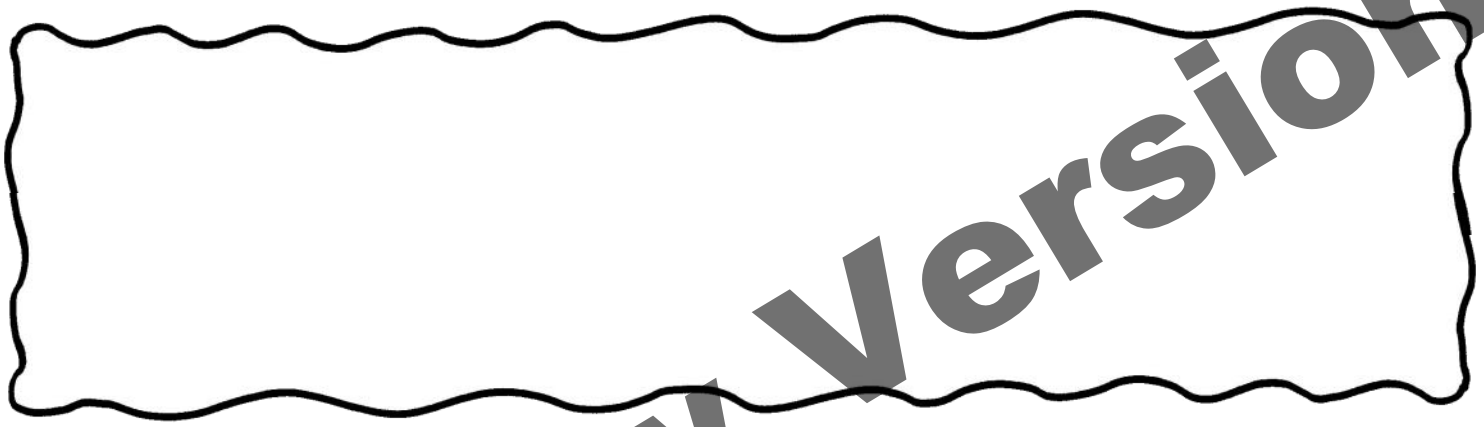
rectangle

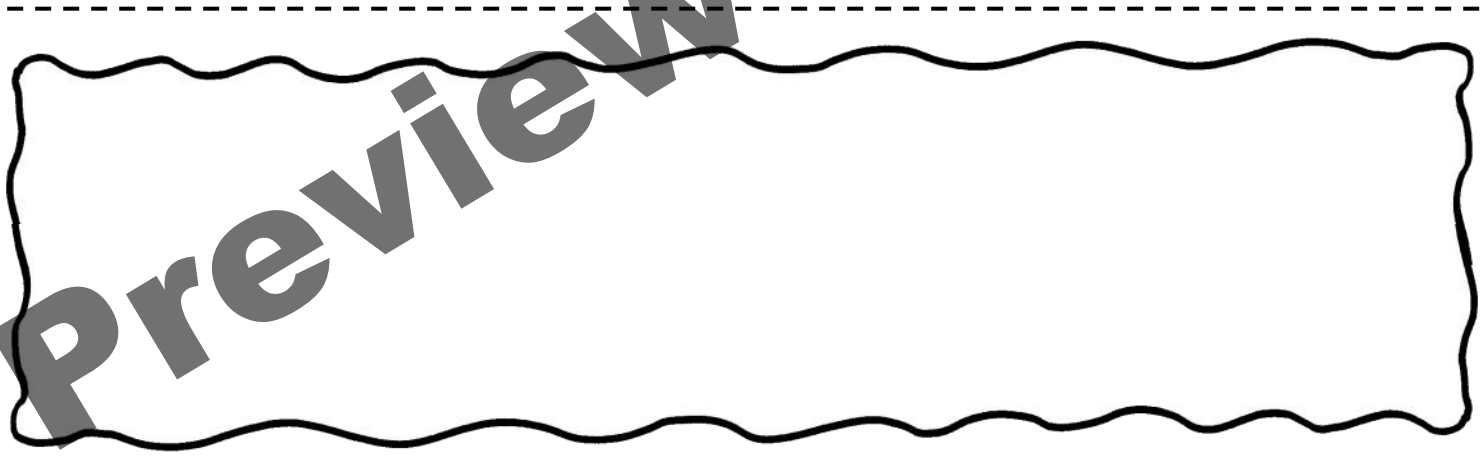
parallelogram

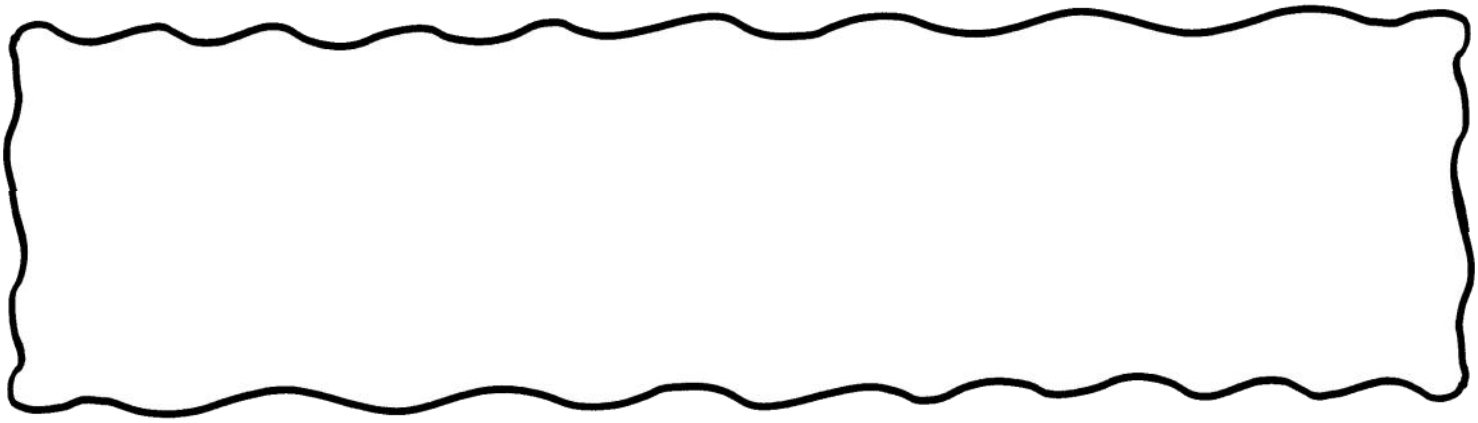
Preview Version

Types of Quadrilaterals - Page 2

trapezium

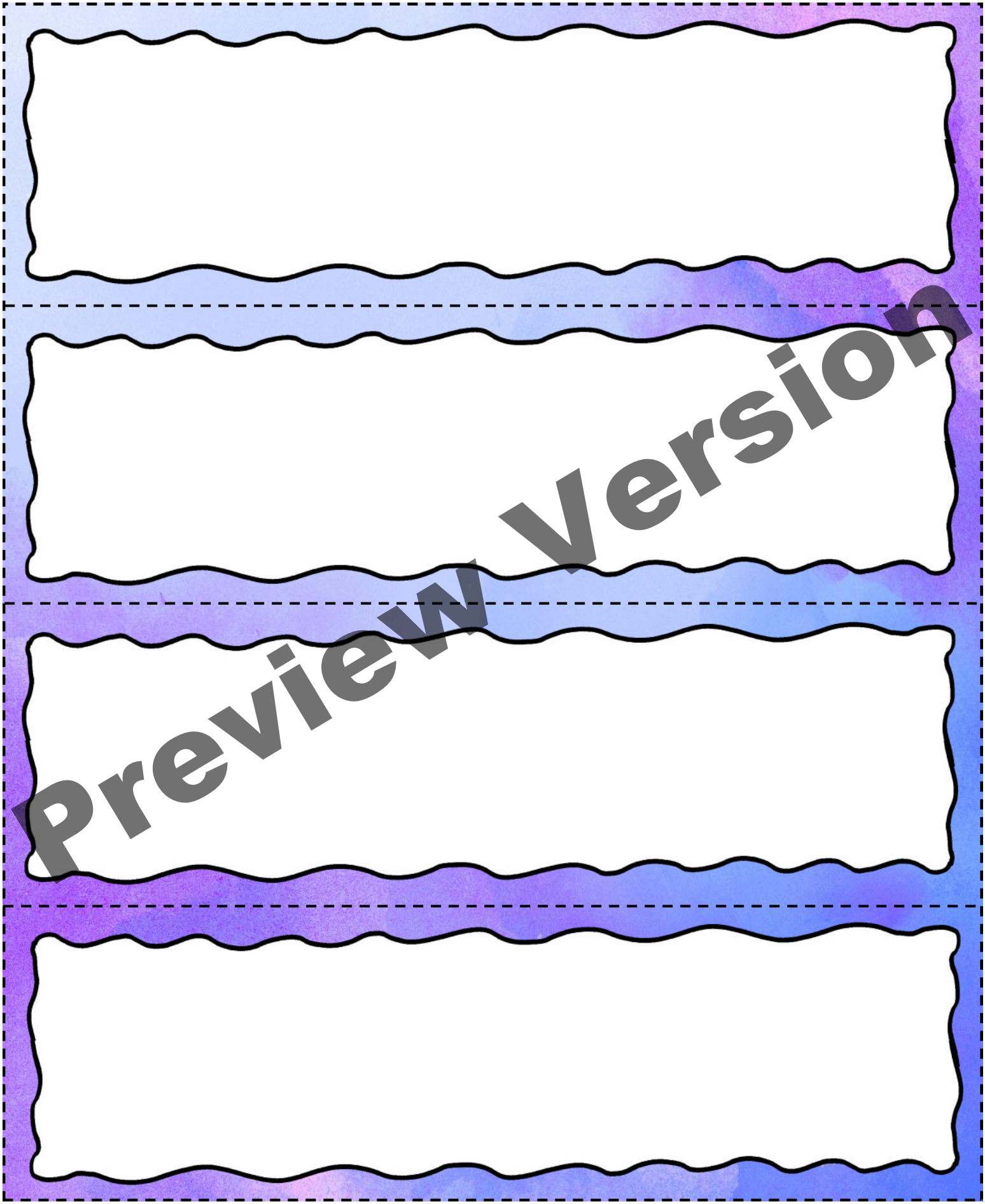






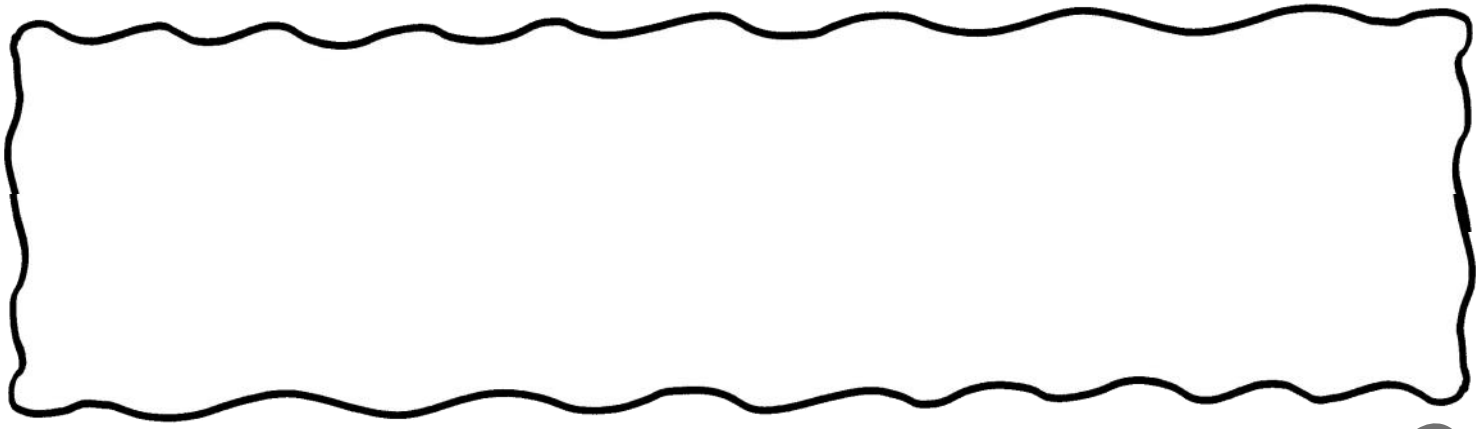
Preview Version

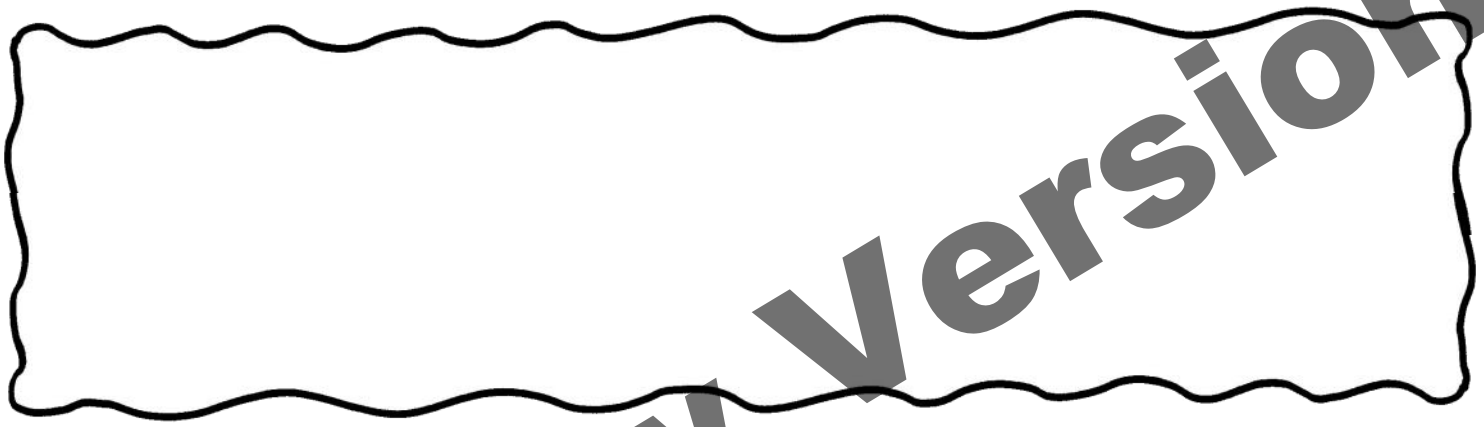
Types of Quadrilaterals

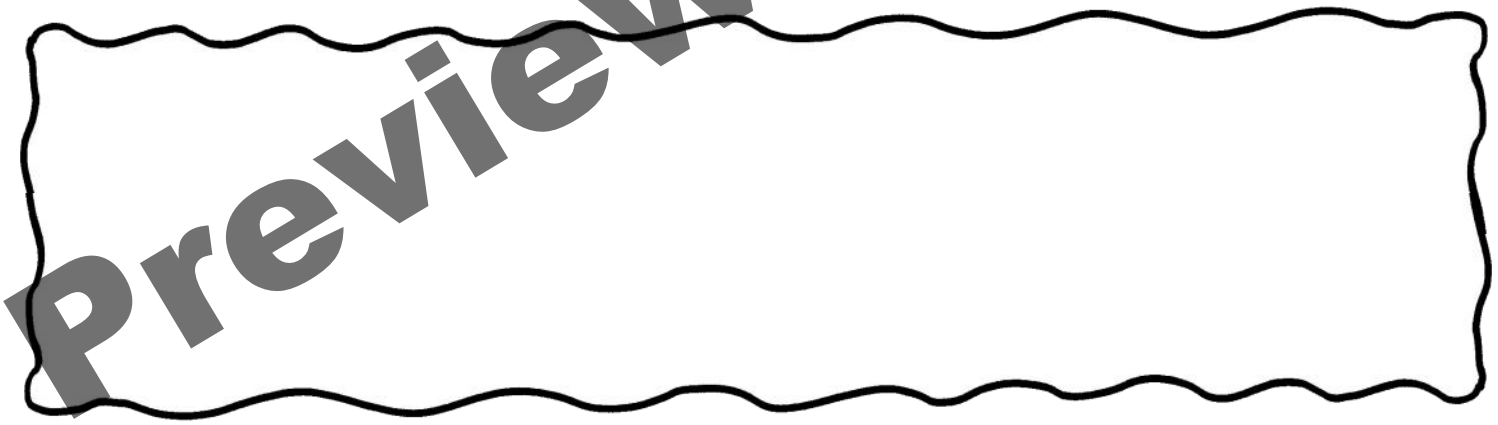


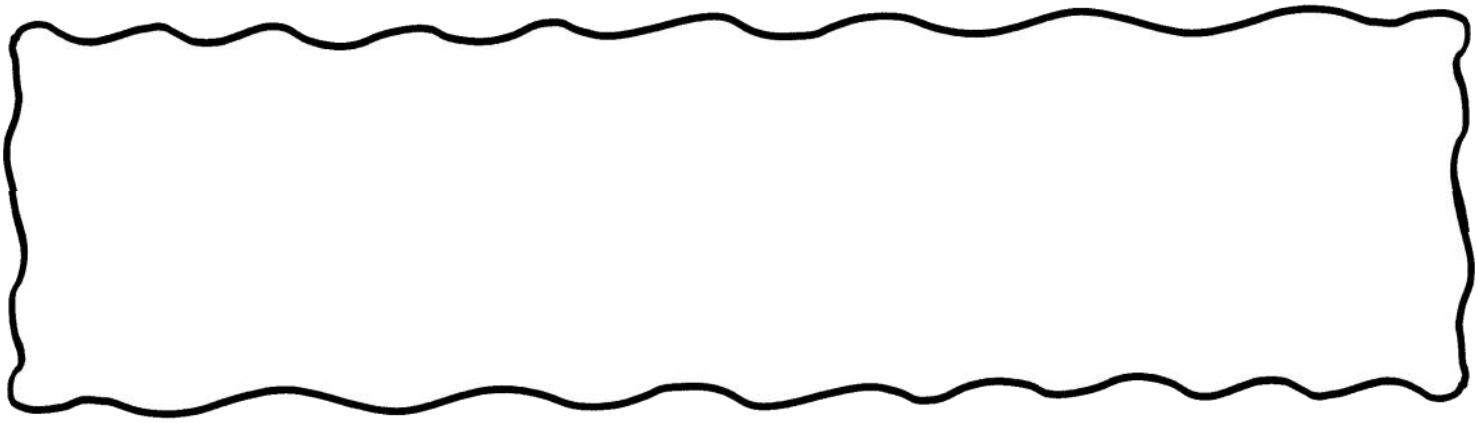
Preview Version

Types of Quadrilaterals



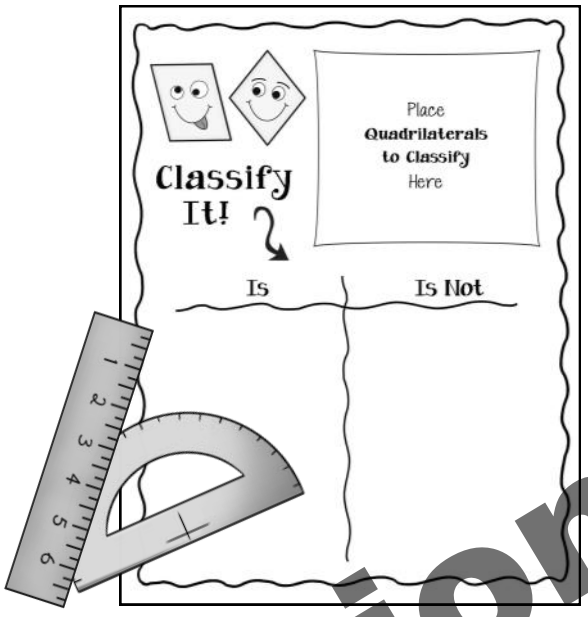




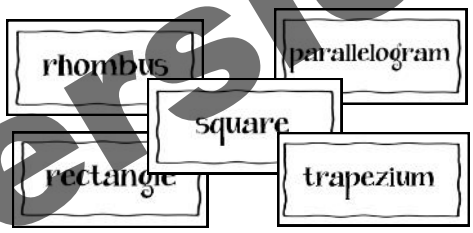


Preview Version

Classify It! Sorting Activity



Set Up for 2 to 4 Players
Stack the quadrilateral picture cards face up at the top of the sorting mat, and spread out the word cards near the mat. Players take turns throughout the game.



Directions

1. Player #1 chooses one of the quadrilateral word cards and shows it to the other players. He or she states whether the quadrilateral pictured at the top of the sorting mat **IS** or **IS NOT** an example of that type and explains why.
2. Everyone on the team who agrees gives a thumbs up. If anyone disagrees or is not sure, he or she should call for a team discussion. Everyone discusses the characteristics of the quadrilateral and how it should be classified. Players may use the ruler or protractor to measure the sides and angles of the quadrilateral if necessary. When all students are in agreement, Player #1 places the quadrilateral word card under the correct heading.
3. The next player chooses any one of the remaining sorting cards and explains whether or not the polygon is an example of that type of quadrilateral. Team members who agree give a thumbs up; if anyone does not agree, the team must discuss it before Player #2 places it on the mat.
4. Continue taking turns around the team until ALL five sorting cards are on the mat. The next player to take a turn picks up the quadrilateral picture card at the top of the mat and turns it over. He or she reads the answers aloud while the others check the placement of the quadrilateral word cards. If any cards were not placed correctly, the team should discuss why.
5. Remove all five word cards from the mat and place the quadrilateral picture card to the side of the game. Repeat steps 1 through 4 for each quadrilateral picture card, taking turns around the team, until time runs out or all 12 quadrilateral cards have been classified.

Preview Version

Quadrilateral Word Cards	rhombus
trapezium	rectangle
square	parallelogram

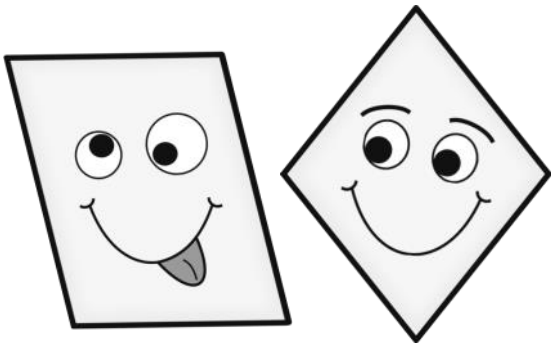
Quadrilateral Word Cards	rhombus
trapezium	rectangle
square	parallelogram

Quadrilateral Word Cards	rhombus
trapezium	rectangle
square	parallelogram

Quadrilateral Word Cards	rhombus
trapezium	rectangle
square	parallelogram

Preview Version

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.laurcandlerontpt.com



Classify It!

Place **Quadrilaterals to Classify** Here

Is	Is Not

Preview Version

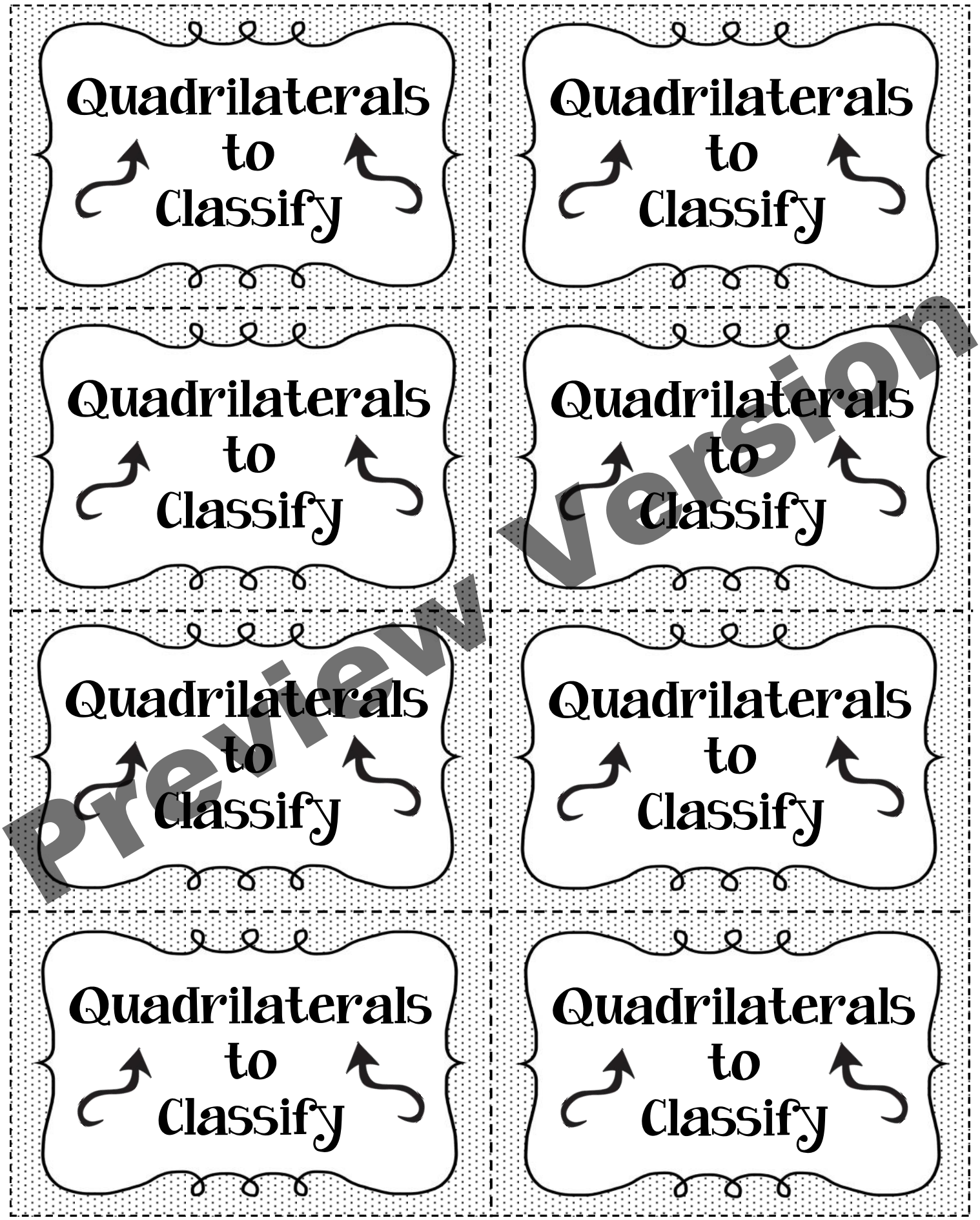
Classify It!

Place **Quadrilaterals to Classify** Here

Is	Is Not

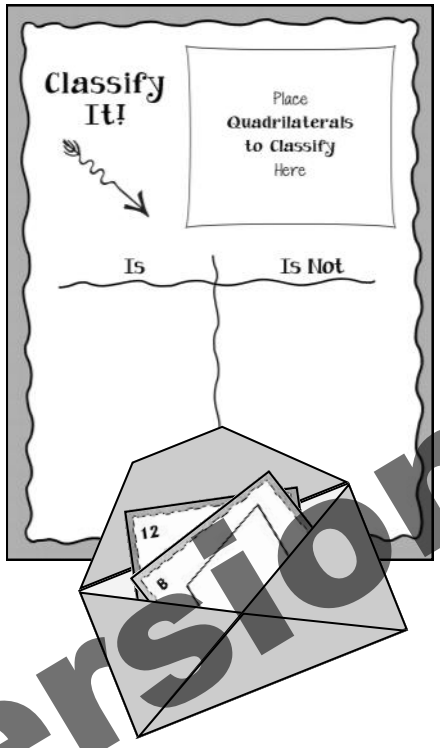
Preview Version

Labels for Quadrilateral Envelopes



Preview Version

Classify It! Game



Game Set Up

Place the *Classify It! Sorting Mat* and game counters in the centre of the team. All players take 5 counters to start the game and spread their quadrilateral words face up in front of them. Decide who will be the first Leader. Leaders switch roles after each round. Play passes to the left.

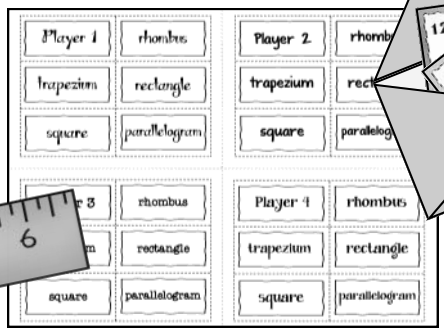
Directions

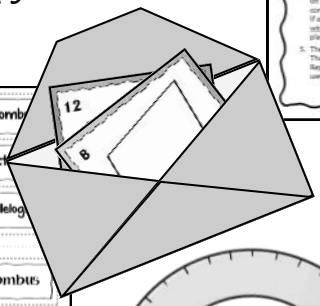
1. To begin, the first Leader draws a quadrilateral picture card from the envelope and places it face up at the top of the Sorting Mat. Next, the Leader selects one of his or her own word cards, holds it up for the team to see, and states whether the quadrilateral pictured **IS** or **IS NOT** an example of the quadrilateral on the word card. If the player wants to measure the sides or angles before classifying the quadrilateral, he or she may use the ruler or protractor before placing the card under one of the two headings.
2. The next player may either pass or classify the polygon in a different way. If the second player disagrees with the first player's classification, he or she explains why and places his or her card having the same quadrilateral name in the other column.
3. Players continue taking turns around the team until all five quadrilateral terms are in one of the two columns. If some players have disagreed with a card's placement, there will be more than five cards on the mat. For example, if one player states that a quadrilateral **IS** a trapezium, but another player says it **IS NOT** a trapezium, there will be two trapezium cards on the mat, one in each column. However, only one card will earn the player a point for correct placement.
4. The Leader picks up the quadrilateral picture, turns it over, and reads the answers on the back aloud. Players take one game counter for each card they placed correctly, and they give up one game counter for each card they placed incorrectly. If a player challenged another player's classification and won, the loser gives the winner a game counter instead of placing it in the bowl. After the round is over, all players take back their quadrilateral word cards.
5. The Leader passes the envelope with the quadrilaterals to the player on the left. That person becomes the next Leader who draws out a new quadrilateral card. Repeat steps 1 through 4, switching Leaders for each round. When all cards are used or time runs out, everyone counts his or her game counters to see who won.

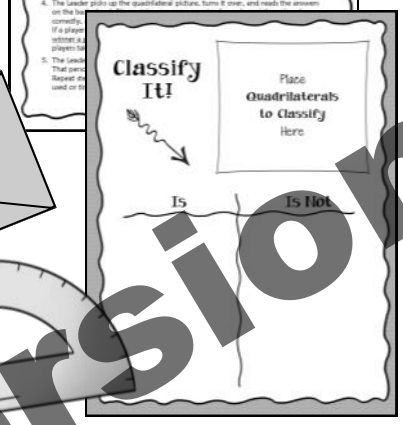
Preview Version

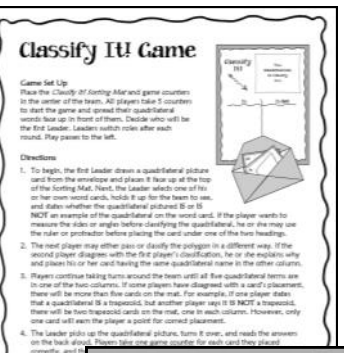
Classify It! Game Materials

- Classify It! Sorting Mat and Game Directions
- 12 quadrilateral picture cards in an envelope
- 4 sets of quadrilateral word cards
- Small bowl with at least 100 plastic chips, dried beans, or other game counters
- Ruler and protractor





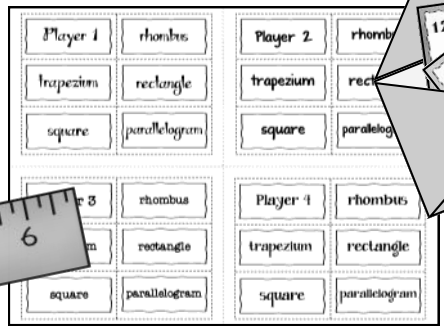


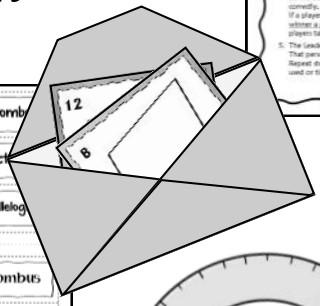


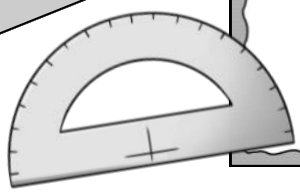
Preview Version

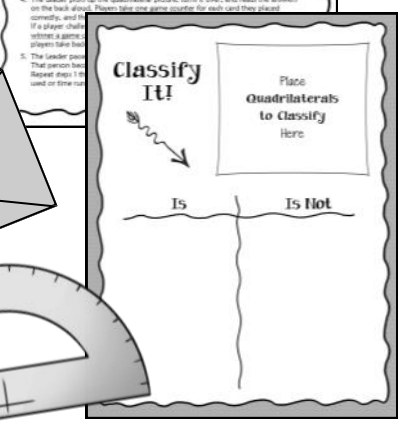
Classify It! Game Materials

- Classify It! Sorting Mat and Game Directions
- 12 quadrilateral picture cards in an envelope
- 4 sets of quadrilateral word cards
- Small bowl with at least 100 plastic chips, dried beans, or other game counters
- Ruler and protractor









Player 1	rhombus
trapezium	rectangle
square	parallelogram

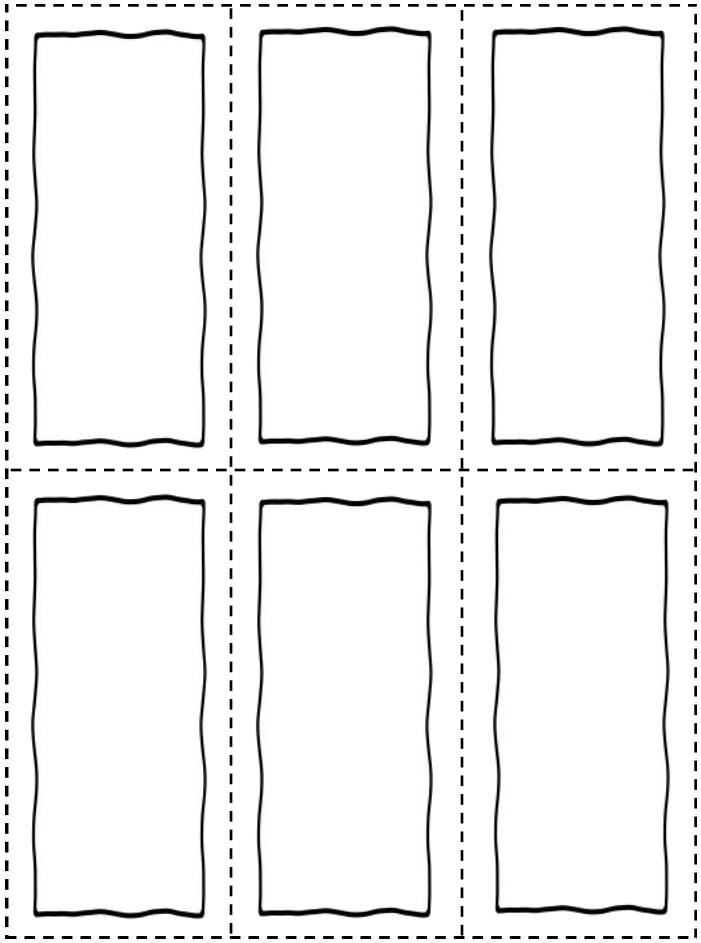
Player 2	rhombus
trapezium	rectangle
square	parallelogram

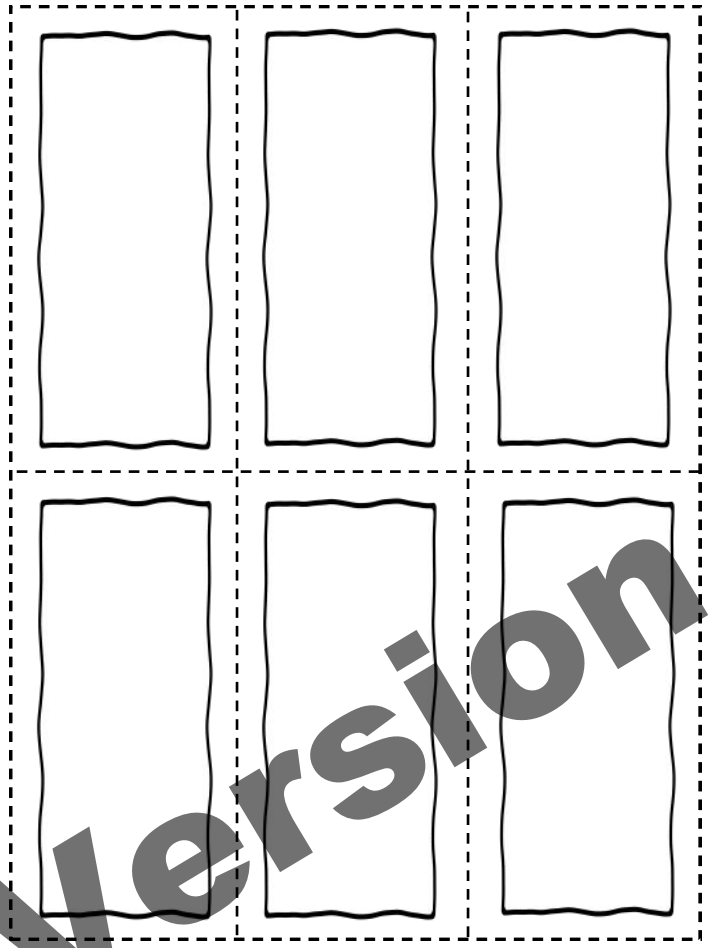
Player 3	rhombus
trapezium	rectangle
square	parallelogram

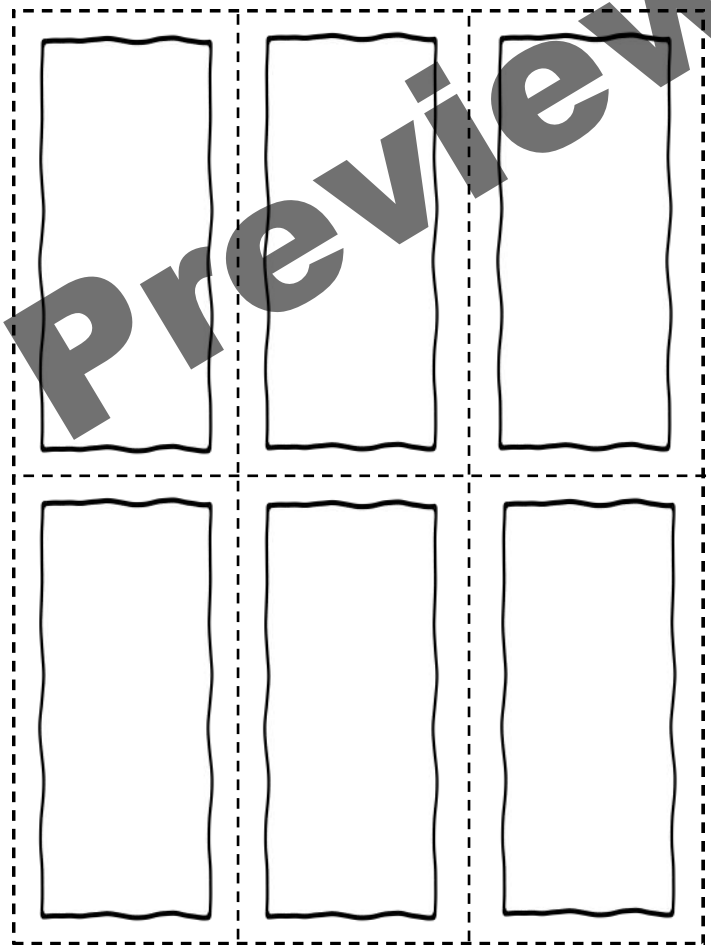
Player 4	rhombus
trapezium	rectangle
square	parallelogram

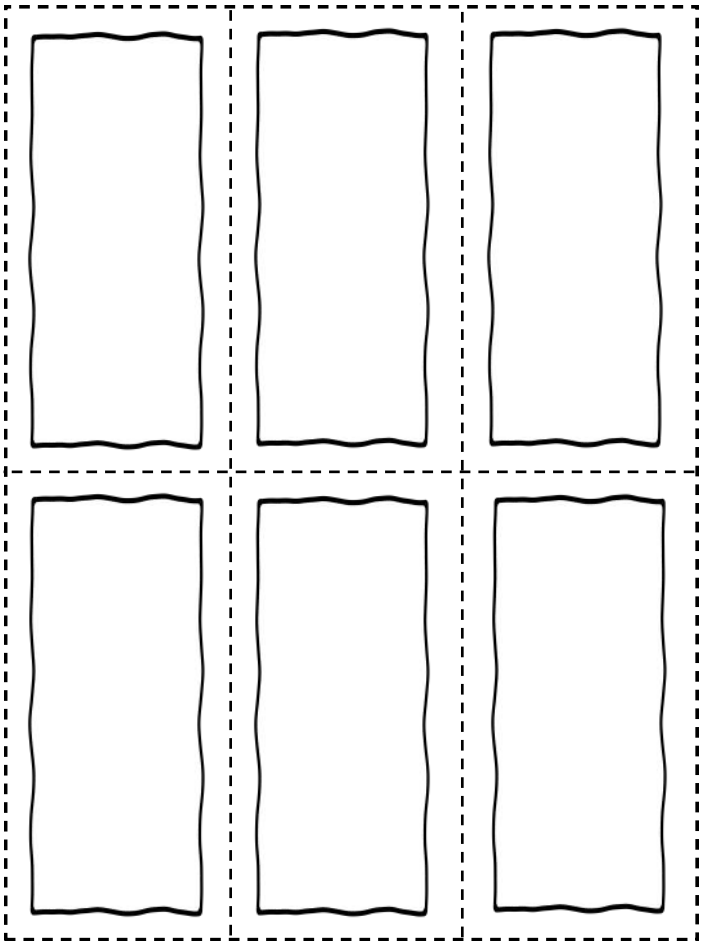
Preview Version

©2017 Laura Candler's Teaching Resources ~ Classify It! Exploring Quadrilaterals ~ www.laurcandlerontpt.com





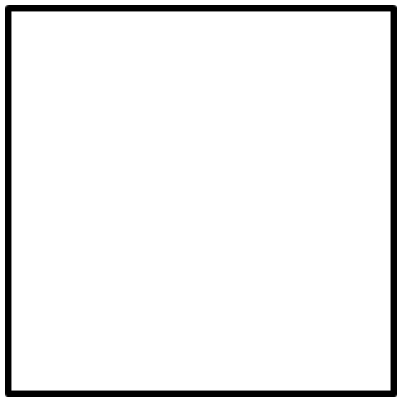




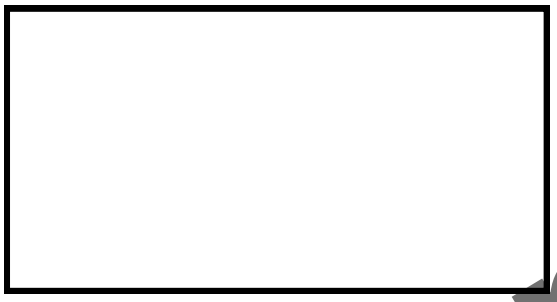
Preview Version

Quadrilaterals to Classify (1-6)

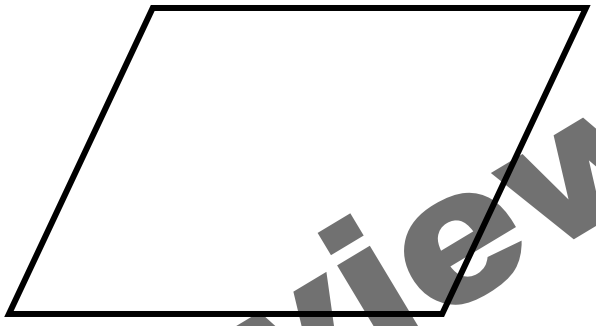
1



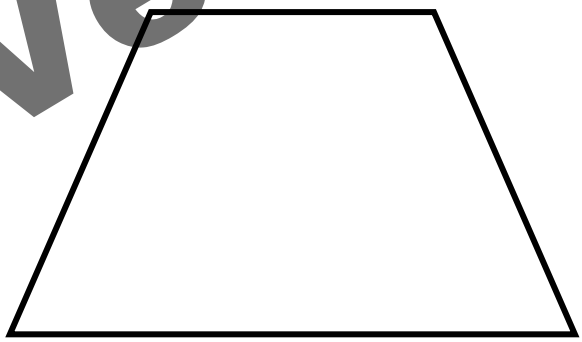
2



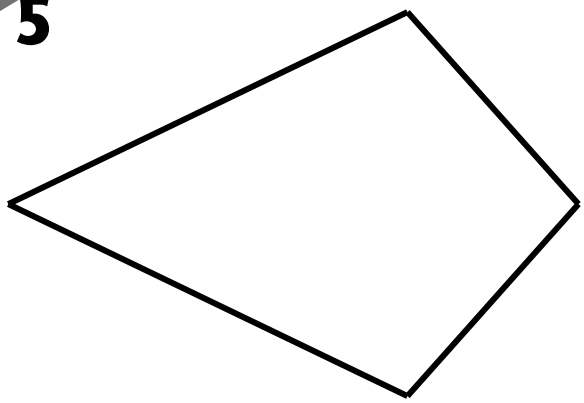
3



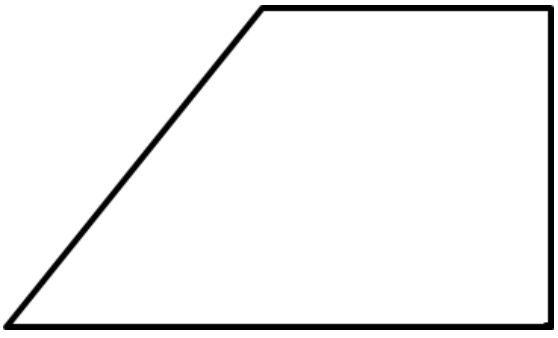
4



5



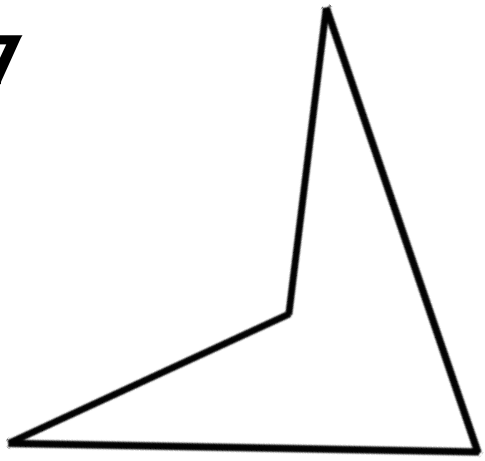
6



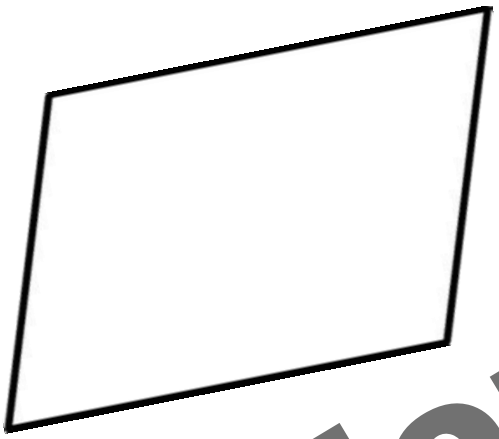
Preview Version

Quadrilaterals to Classify (7-12)

7

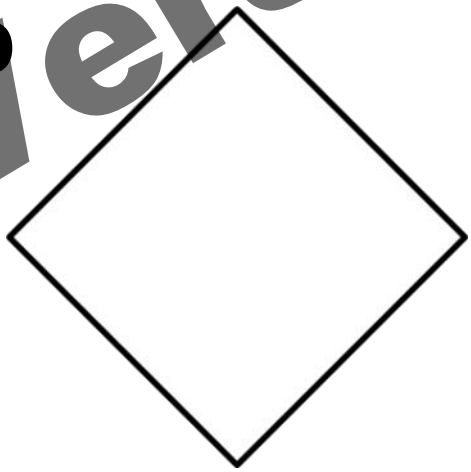


8

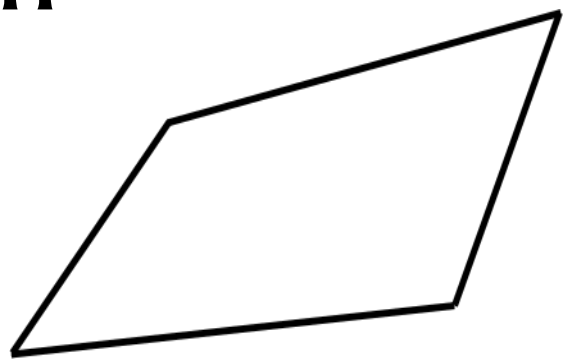


9

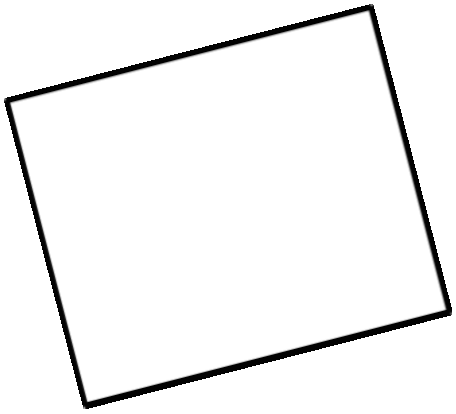
10



11

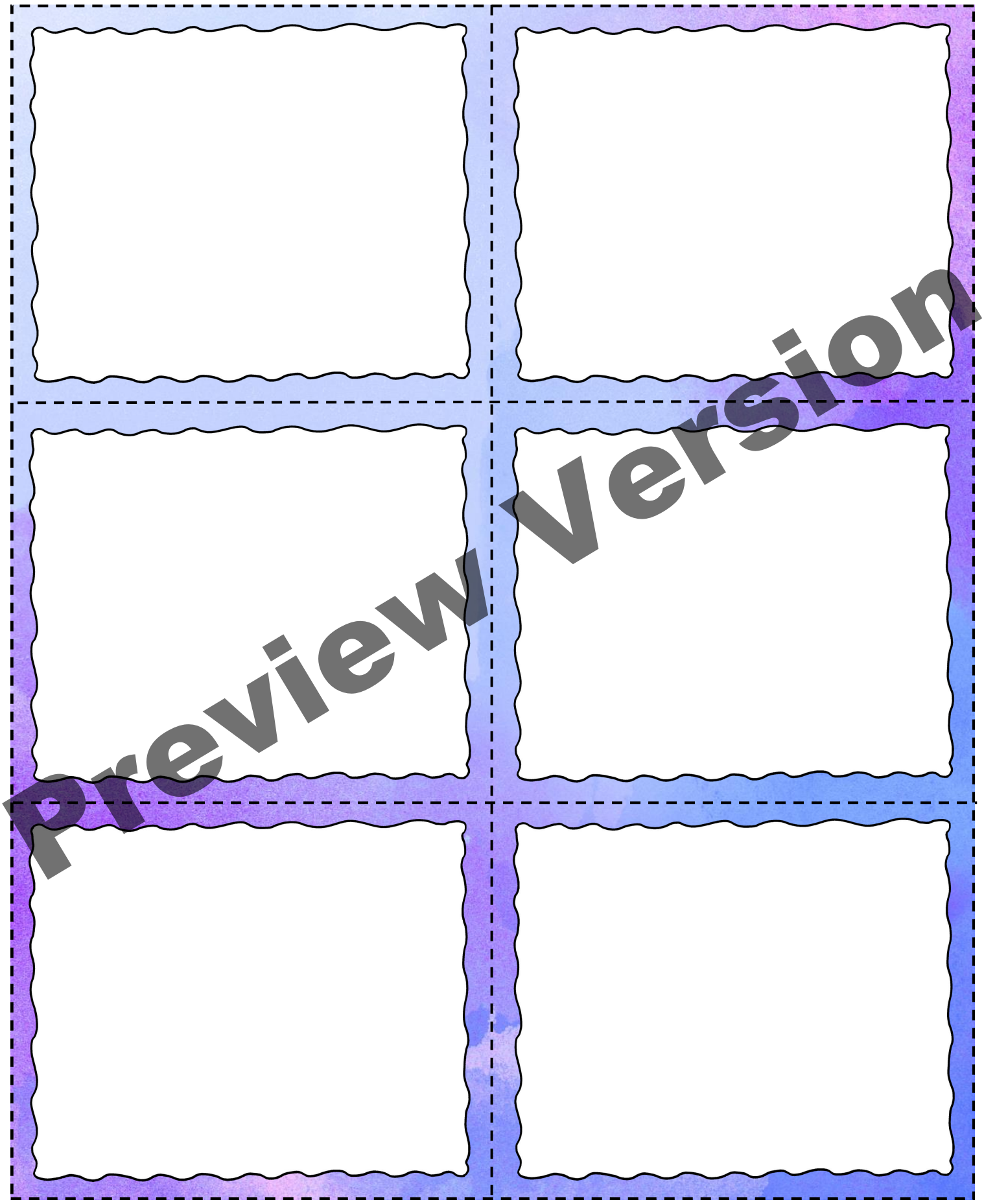


12



Preview Version

Quadrilaterals to Classify



Preview Version

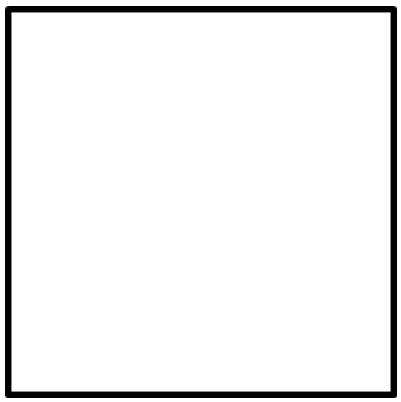
Quadrilaterals to Classify

Preview Version

Quadrilaterals to Classify & Answers 1-3

Print on one side only. Cut on dotted lines and fold on the vertical solid line.

1



1

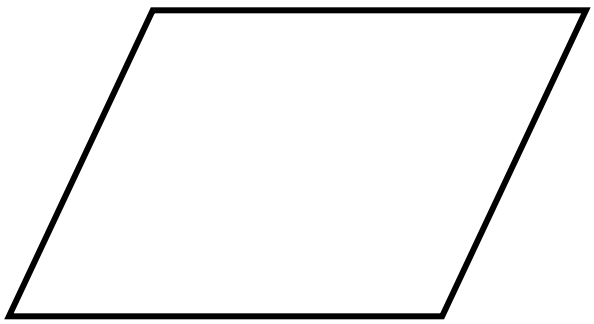
Is	Is Not
square rhombus rectangle parallelogram	trapezium

2

2

Is	Is Not
rectangle parallelogram	trapezium square rhombus

3



3

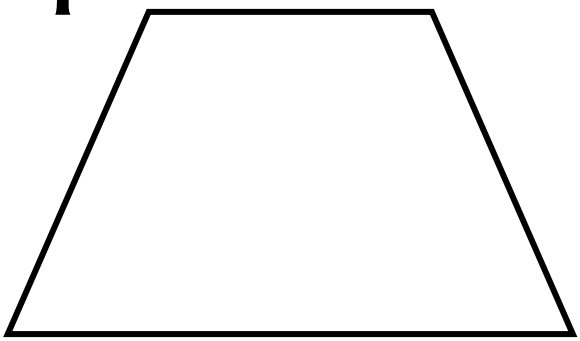
Is	Is Not
parallelogram	trapezium square rhombus rectangle

Preview Version

Quadrilaterals to Classify & Answers 4-6

Print on one side only. Cut on dotted lines and fold on the vertical solid line.

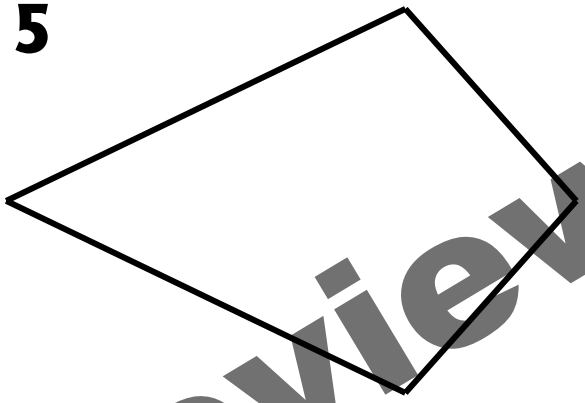
4



4

Is	Is Not
trapezium	square rhombus rectangle parallelogram

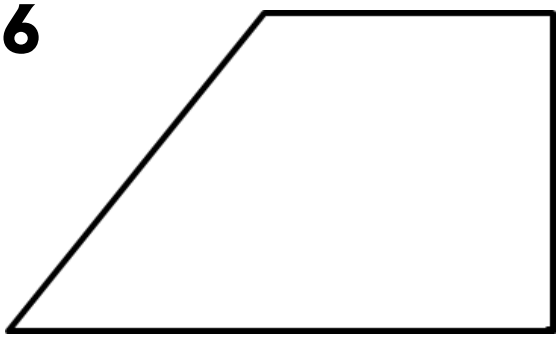
5



5

Is	Is Not
	square rectangle parallelogram rhombus trapezium

6



6

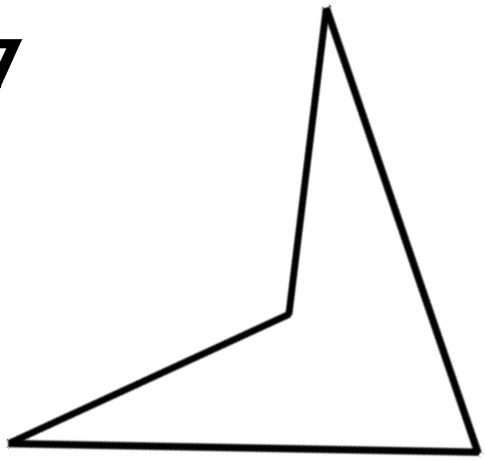
Is	Is Not
trapezium	square rhombus rectangle parallelogram

Preview Version

Quadrilaterals to Classify & Answers 7-9

Print on one side only. Cut on dotted lines and fold on the vertical solid line.

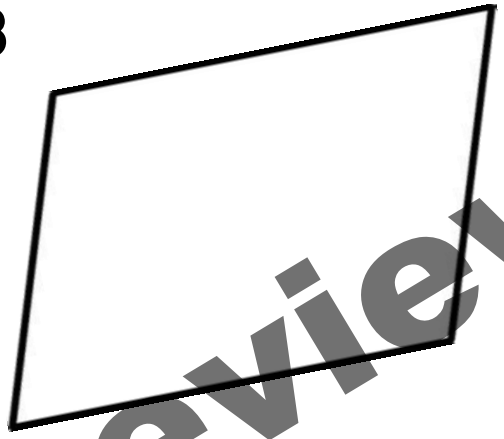
7



7

Is	Is Not
	square
	rhombus
	rectangle
	parallelogram
	trapezium

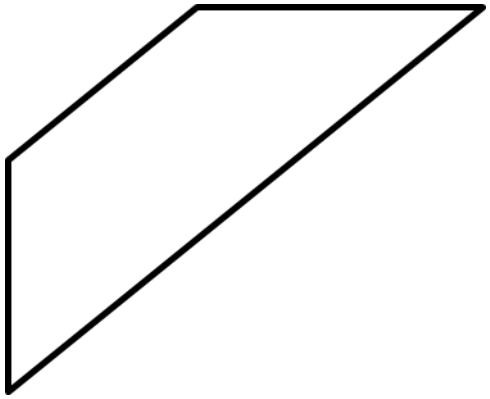
8



8

Is	Is Not
parallelogram	square
	rectangle
	rhombus
	trapezium

9



9

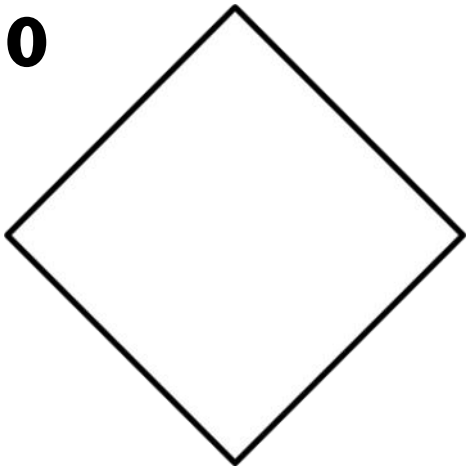
Is	Is Not
trapezium	square
	rhombus
	rectangle
	parallelogram

Preview Version

Quadrilaterals to Classify & Answers 10-12

Print on one side only. Cut on dotted lines and fold on the vertical solid line.

10



10

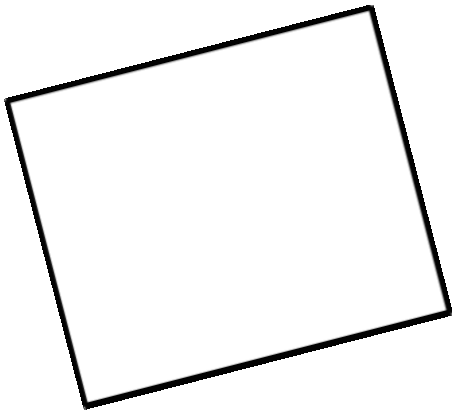
Is	Is Not
square	trapezium
rhombus	
rectangle	
parallelogram	

11

11

Is	Is Not
square	
rectangle	
parallelogram	
rhombus	
trapezium	

12



12

Is	Is Not
rectangle	square
parallelogram	rhombus
	trapezium

Preview Version

Acknowledgements

I want to thank my Facebook friends who offered suggestions, proofread the text, or checked the answer keys. Special thanks to Wanda Meisner, Ann Bullard, Madeline Phillips, Cecile Henderson, Rebecca Saldivar, Mary DeFrates, Tami Terry. I also appreciate the teachers and students who tested the activities, including Sheldon Jordan, Sheryl Nicholas, Jennifer Watkins, Rita Lot, Celeste Ux, Andrea Clark, Ivy Hill, and Cheryl Akers and their students. You had great feedback and helped me make this teaching resource even better!

Copyright and Permission Info

Classify It! is protected by copyright. Unless your school has purchased multiple licenses, your single user purchase entitles you to make copies for your classroom only. You may not distribute this ebook in print or digital form without permission. Email me at contact@lauracandler.com with inquiries. Thanks for valuing my hard work by respecting the copyright on this product! ~ Laura Candler

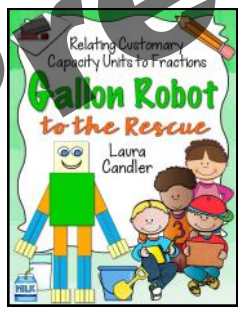
Connect with me!

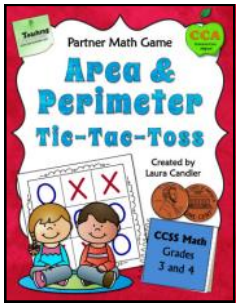
Website: www.lauracandler.com
Pinterest: www.pinterest.com/lauracandler
Facebook: www.facebook.com/teachingresources
TpT Store: www.teacherspayteachers.com/Store/Laura-Candler
Corkboard Connections Blog: www.corkboardconnections.com
Candler's Classroom Connections: www.lauracandler.com/signup.php

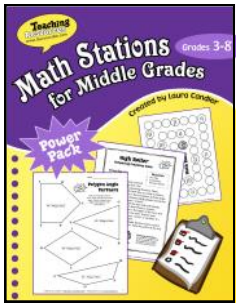
Preview Version

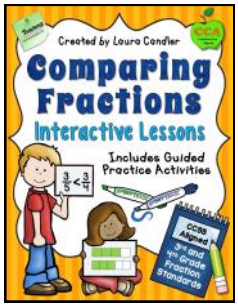
More Math Books and Products by Laura Candler

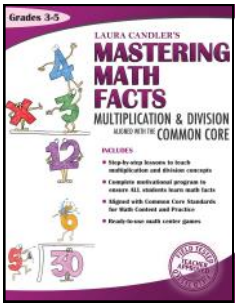
Click each cover below to find the item on TeachersPayTeachers.



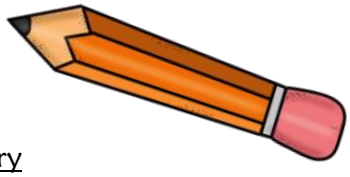








Artwork Credits



Artifex www.teacherspayteachers.com/Store/Artifex
Educasong www.teacherspayteachers.com/Store/Educasong
Emily Ames www.teacherspayteachers.com/Store/Emily-Ames
Mad Clips Factory www.teacherspayteachers.com/Store/Mad-Clips-Factory
Digital Classroom Clipart www.teacherspayteachers.com/Store/Digital-Classroom-Clipart
The Enlightened Elephant www.teacherspayteachers.com/Store/The-Enlightened-Elephant