Name:

Determine if the statement shown is 'true' or 'false'.

1) A rectangle has only one set of sides that are parallel.

1. _____

2) All rectangles are parallelograms.

2. _____

3. _____

3) All squares have 4 angles that are 90°.

4. _____

5. _____

4) All parallelograms are rhombuses.

6. _____

7. _____

5) All rhombuses are squares.

8. _____

6) All rectangles are squares.

9. _____

10. _____

7) A rectangle has 4 angles that are 90°.

11. _____

12. _____

8) A trapezoid has 2 sets of parallel sides.

9) All squares and rectangles have 4 sides that are all the same length.

10) All rhombuses are quadrilaterals.

11) A parallelogram has opposite sides that are parallel.

12) All squares are quadrilaterals.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) A rectangle has only one set of sides that are parallel.

1. **false**

2) All rectangles are parallelograms.

2. **true**

3) All squares have 4 angles that are 90°.

3. **true**

4) All parallelograms are rhombuses.

4. **false**

5. **false**

5) All rhombuses are squares.

6. **false**

7. **true**

6) All rectangles are squares.

8. **false**

9. **false**

7) A rectangle has 4 angles that are 90°.

10. **true**

11. **true**

8) A trapezoid has 2 sets of parallel sides.

12. **true**

9) All squares and rectangles have 4 sides that are all the same length.

10) All rhombuses are quadrilaterals.

11) A parallelogram has opposite sides that are parallel.

12) All squares are quadrilaterals.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) Kites have 2 sets of parallel sides.

1. _____

2) All squares are quadrilaterals.

2. _____

3. _____

3) A trapezoid only has 1 pair of parallel sides.

4. _____

5. _____

4) All rhombuses are parallelograms.

6. _____

7. _____

5) A rectangle has 4 angles that are 90°.

8. _____

6) All squares and rectangles have 4 sides that are all the same length.

9. _____

10. _____

7) All parallelograms are rectangles.

11. _____

12. _____

8) All rectangles are squares.

9) All squares have 4 sides that are the same length.

10) All rectangles have 4 sides that are equal length.

11) All squares are rhombuses.

12) All squares have 4 angles two less than 90°, two more than 90°.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

Answers

1) Kites have 2 sets of parallel sides.

1.   **false**

2) All squares are quadrilaterals.

2.   **true**

3.   **true**

3) A trapezoid only has 1 pair of parallel sides.

4.   **true**

5.   **true**

4) All rhombuses are parallelograms.

6.   **false**

7.   **false**

5) A rectangle has 4 angles that are 90°.

8.   **false**

6) All squares and rectangles have 4 sides that are all the same length.

9.   **true**

10.   **false**

7) All parallelograms are rectangles.

11.   **true**

12.   **false**

8) All rectangles are squares.

9) All squares have 4 sides that are the same length.

10) All rectangles have 4 sides that are equal length.

11) All squares are rhombuses.

12) All squares have 4 angles two less than 90°, two more than 90°.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All squares and rectangles have 4 angles that are 90° each.

1. _____

2. _____

2) All rhombuses are parallelograms.

3. _____

3) All squares have only 1 set of parallel sides.

4. _____

5. _____

4) A parallelogram has opposite sides that are parallel.

6. _____

7. _____

5) A trapezoid has angles can be any degree.

8. _____

6) All parallelograms are squares.

9. _____

10. _____

7) A parallelogram has all angles that are the same.

11. _____

12. _____

8) All rectangles have 4 sides that are equal length.

9) A rhombus has 1 set of opposite angles that are the same.

10) All quadrilateral have 4 sides equal length.

11) All squares have 4 angles two less than 90°, two more than 90°.

12) All rhombuses are quadrilaterals.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

A n s w e r s

1) All squares and rectangles have 4 angles that are 90° each.

1. **true**

2) All rhombuses are parallelograms.

2. **true**

3) All squares have only 1 set of parallel sides.

3. **false**

4) A parallelogram has opposite sides that are parallel.

4. **true**

5) A trapezoid has angles can be any degree.

5. **true**

6. **false**

6) All parallelograms are squares.

7. **false**

7) A parallelogram has all angles that are the same.

8. **false**

9. **false**

8) All rectangles have 4 sides that are equal length.

10. **false**

9) A rhombus has 1 set of opposite angles that are the same.

11. **false**

12. **true**

10) All quadrilateral have 4 sides equal length.

11) All squares have 4 angles two less than 90°, two more than 90°.

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1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All squares are rectangles.

1. _____

2. _____

2) All squares have 4 angles two less than 90°, two more than 90°.

3. _____

3) A rhombus has opposite angles that are the same.

4. _____

5. _____

4) Kites have 2 sets of parallel sides.

6. _____

7. _____

5) All rhombuses are squares.

8. _____

6) All squares have 4 sides that are the same length.

9. _____

10. _____

7) All squares have only 1 set of parallel sides.

11. _____

12. _____

8) A rectangle has 4 angles at only two of which are 90°.

9) A rectangle has opposites sides that are parallel.

10) All quadrilateral have 4 sides.

11) A parallelogram has opposite angles that are the same.

12) All squares and rectangles have 4 sides that are all the same length.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

Answers

1) All squares are rectangles.

1. _**true**_

2) All squares have 4 angles two less than 90°, two more than 90°.

2. _**false**_

3. _**true**_

3) A rhombus has opposite angles that are the same.

4. _**false**_

5. _**false**_

4) Kites have 2 sets of parallel sides.

6. _**true**_

7. _**false**_

5) All rhombuses are squares.

8. _**false**_

6) All squares have 4 sides that are the same length.

9. _**true**_

10. _**true**_

7) All squares have only 1 set of parallel sides.

11. _**true**_

12. _**false**_

8) A rectangle has 4 angles at only two of which are 90°.

9) A rectangle has opposites sides that are parallel.

10) All quadrilateral have 4 sides.

11) A parallelogram has opposite angles that are the same.

12) All squares and rectangles have 4 sides that are all the same length.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All parallelograms are squares.

1. _____

2) All squares have 4 angles that are 90°.

2. _____

3. _____

3) All rhombuses have only 1 set of equal length sides.

4. _____

5. _____

4) All squares are quadrilaterals.

6. _____

7. _____

5) A rhombus has 1 set of opposite angles that are the same.

8. _____

6) A rectangle has only one set of sides that are parallel.

9. _____

10. _____

7) Kites have 2 sets of parallel sides.

11. _____

12. _____

8) All rectangles are parallelograms.

9) All rectangles are quadrilaterals.

10) A parallelogram has opposite sides that are parallel.

11) A trapezoid only has 1 pair of parallel sides.

12) A rectangle has 4 angles that are 90°.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

Answers

1) All parallelograms are squares.

2) All squares have 4 angles that are 90°.

3) All rhombuses have only 1 set of equal length sides.

4) All squares are quadrilaterals.

5) A rhombus has 1 set of opposite angles that are the same.

6) A rectangle has only one set of sides that are parallel.

7) Kites have 2 sets of parallel sides.

8) All rectangles are parallelograms.

9) All rectangles are quadrilaterals.

10) A parallelogram has opposite sides that are parallel.

11) A trapezoid only has 1 pair of parallel sides.

12) A rectangle has 4 angles that are 90°.

1.	**false**
2.	**true**
3.	**false**
4.	**true**
5.	**false**
6.	**false**
7.	**false**
8.	**true**
9.	**true**
10.	**true**
11.	**true**
12.	**true**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) A trapezoid only has 1 pair of parallel sides.

1. _____

2. _____

2) All rectangles are quadrilaterals.

3. _____

3) All parallelograms are rectangles.

4. _____

5. _____

4) All rhombuses have only 1 set of equal length sides.

6. _____

7. _____

5) All squares are rectangles.

8. _____

6) All parallelograms are rhombuses.

9. _____

10. _____

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11. _____

12. _____

8) All squares and rectangles have 4 sides that are all the same length.

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11) A parallelogram has opposite angles that are the same.

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1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

Answers

1) A trapezoid only has 1 pair of parallel sides.

1. _____**true**_____

2) All rectangles are quadrilaterals.

2. _____**true**_____

3. _____**false**_____

3) All parallelograms are rectangles.

4. _____**false**_____

5. _____**true**_____

4) All rhombuses have only 1 set of equal length sides.

6. _____**false**_____

7. _____**true**_____

5) All squares are rectangles.

8. _____**false**_____

6) All parallelograms are rhombuses.

9. _____**true**_____

10. _____**true**_____

7) All quadrilateral have 4 sides.

11. _____**true**_____

12. _____**false**_____

8) All squares and rectangles have 4 sides that are all the same length.

9) All squares are parallelograms.

10) All parallelograms are quadrilaterals.

11) A parallelogram has opposite angles that are the same.

12) All rhombuses are squares.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) A rectangle has only one set of sides that are parallel.

1. _____

2. _____

2) All Squares have 4 sides where each side can be a different length.

3. _____

3) All squares are rhombuses.

4. _____

5. _____

4) All squares have 4 angles that are 90°.

6. _____

7. _____

5) A trapezoid has 2 sets of parallel sides.

8. _____

6) All trapezoids are quadrilaterals.

9. _____

10. _____

7) All rhombuses are parallelograms.

11. _____

12. _____

8) All squares are quadrilaterals.

9) All parallelograms have four sides of equal length sides.

10) A rhombus has 1 set of opposite angles that are the same.

11) All squares are rectangles.

12) All quadrilateral have 4 sides equal length.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name:

Determine if the statement shown is 'true' or 'false'.

Answers

1) A rectangle has only one set of sides that are parallel.

2) All Squares have 4 sides where each side can be a different length.

3) All squares are rhombuses.

4) All squares have 4 angles that are 90°.

5) A trapezoid has 2 sets of parallel sides.

6) All trapezoids are quadrilaterals.

7) All rhombuses are parallelograms.

8) All squares are quadrilaterals.

9) All parallelograms have four sides of equal length sides.

10) A rhombus has 1 set of opposite angles that are the same.

11) All squares are rectangles.

12) All quadrilateral have 4 sides equal length.

1. **false**
2. **false**
3. **true**
4. **true**
5. **false**
6. **true**
7. **true**
8. **true**
9. **false**
10. **false**
11. **true**
12. **false**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All squares are quadrilaterals.

1. _____

2) All squares are rectangles.

2. _____

3. _____

3) Kites have 2 sets of parallel sides.

4. _____

5. _____

4) All squares have 4 angles that are 90°.

6. _____

7. _____

5) All parallelograms are squares.

8. _____

6) All trapezoids are quadrilaterals.

9. _____

10. _____

7) A rhombus has 1 set of opposite angles that are the same.

11. _____

12. _____

8) A rectangle has opposites sides that are parallel.

9) A trapezoid has two 90° angles.

10) All quadrilateral have 4 sides equal length.

11) A rectangle has 4 angles that are 90°.

12) All rectangles have 4 sides that are equal length.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All squares are quadrilaterals.

1.   **true**

2) All squares are rectangles.

2.   **true**

3.   **false**

3) Kites have 2 sets of parallel sides.

4.   **true**

5.   **false**

4) All squares have 4 angles that are 90°.

6.   **true**

7.   **false**

5) All parallelograms are squares.

8.   **true**

6) All trapezoids are quadrilaterals.

9.   **false**

10.   **false**

7) A rhombus has 1 set of opposite angles that are the same.

11.   **true**

12.   **false**

8) A rectangle has opposites sides that are parallel.

9) A trapezoid has two 90° angles.

10) All quadrilateral have 4 sides equal length.

11) A rectangle has 4 angles that are 90°.

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1-10	92	83	75	67	58	50	42	33	25	17
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Determine if the statement shown is 'true' or 'false'.

1) All squares are quadrilaterals.

1. _____

2) All rhombuses are quadrilaterals.

2. _____

3. _____

3) All parallelograms are rhombuses.

4. _____

5. _____

4) All parallelograms are squares.

6. _____

7. _____

5) A trapezoid has two 90° angles.

8. _____

6) All squares and rectangles have 4 sides that are all the same length.

9. _____

10. _____

7) All quadrilateral have 4 sides equal length.

11. _____

12. _____

8) All squares have 4 angles two less than 90°, two more than 90°.

9) All squares are rectangles.

10) A rhombus has opposite angles that are the same.

11) All rectangles are parallelograms.

12) Kites have 2 sets of parallel sides.

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name: **Answer Key**

Determine if the statement shown is 'true' or 'false'.

1) All squares are quadrilaterals.

    1. _____ **true**

2) All rhombuses are quadrilaterals.

    2. _____ **true**

3) All parallelograms are rhombuses.

    3. _____ **false**

    4. _____ **false**

4) All parallelograms are squares.

    5. _____ **false**

    6. _____ **false**

5) A trapezoid has two 90° angles.

    7. _____ **false**

    8. _____ **false**

6) All squares and rectangles have 4 sides that are all the same length.

    9. _____ **true**

    10. _____ **true**

7) All quadrilateral have 4 sides equal length.

    11. _____ **true**

    12. _____ **false**

8) All squares have 4 angles two less than 90°, two more than 90°.

9) All squares are rectangles.

10) A rhombus has opposite angles that are the same.

11) All rectangles are parallelograms.

12) Kites have 2 sets of parallel sides.

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1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determine if the statement shown is 'true' or 'false'.

1) All rhombuses are parallelograms.

1. _____

2) All rhombuses are quadrilaterals.

2. _____

3. _____

3) A trapezoid has angles can be any degree.

4. _____

5. _____

4) A rectangle has 4 angles at only two of which are 90°.

6. _____

7. _____

5) All squares are rhombuses.

8. _____

6) All parallelograms have four sides of equal length sides.

9. _____

10. _____

7) All squares have 4 angles two less than 90°, two more than 90°.

11. _____

12. _____

8) A rectangle has opposites sides that are parallel.

9) All quadrilateral have 4 sides equal length.

10) All trapezoids are quadrilaterals.

11) All squares have 4 sides that are the same length.

12) A trapezoid has 2 sets of parallel sides.

Determine if the statement shown is 'true' or 'false'.

1) All rhombuses are parallelograms.

1. _____**true**_____

2) All rhombuses are quadrilaterals.

2. _____**true**_____

3. _____**true**_____

3) A trapezoid has angles can be any degree.

4. _____**false**_____

5. _____**true**_____

4) A rectangle has 4 angles at only two of which are 90°.

6. _____**false**_____

7. _____**false**_____

5) All squares are rhombuses.

8. _____**true**_____

6) All parallelograms have four sides of equal length sides.

9. _____**false**_____

10. _____**true**_____

7) All squares have 4 angles two less than 90°, two more than 90°.

11. _____**true**_____

12. _____**false**_____

8) A rectangle has opposites sides that are parallel.

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