Merit Tutoring

Year 2 Mathematics

Slides & Turns - Worksheet 45

Slides (Moving Straight)

Name: _____ **Date:** _____

Section 1: Slide or Turn? (Fluency)

Look at the pairs of shapes. Decide if the shape was slid or turned.

Question 1: Circle the pair that shows a **Slide**.

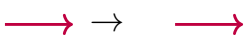
Pair A: **Pair B:**

Answer: Circle _____

Question 2: Does the shape change size when you slide it?

Circle: YES NO

Question 3: Look at these shapes. Was the arrow slid or turned?



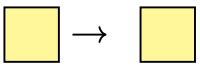
Answer: _____

Question 4: When you slide a shape, does it face a different direction?

Circle: YES NO

Question 5: Which shows a slide?

A



B

Answer: _____

Question 6: True or False: Sliding moves a shape without turning it.

Circle: TRUE FALSE

Super Slider!

Why did the snake love sliding? Because it didn't have any LEGS to walk!

Section 2: Direction of Slide (Reasoning)

Look at the arrows and shapes. Identify the direction of the slide.

Question 7: Did this shape slide **Left** or **Right**?

Answer: _____

Question 8: Did this shape slide **Up** or **Down**?

Answer: _____

Question 9: Circle the arrow that shows a slide to the **Left**.

A ⟶ **B** ⟵ **C** ↑

Answer: _____

Question 10: If a star slides down, which way is it moving?

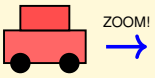
Answer: _____

Question 11: Match: Sliding RIGHT means moving this way: → or ←?

Answer: _____

Question 12: Can a shape slide diagonally (at an angle)?

Answer: _____



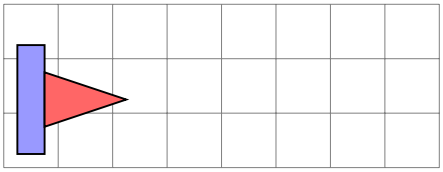
Direction Champion!

Why did the car love slides? Because it could GO in any direction!

Section 3: Draw the Slide (Challenge)

Draw shapes after they have been slid.

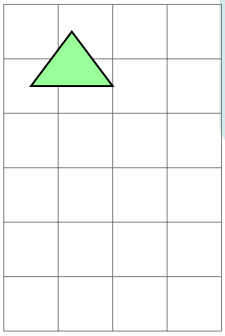
Question 13: Draw the flag after sliding it 3 boxes to the right.



Question 14: If I slide a square, does it become a circle?

Circle: YES NO

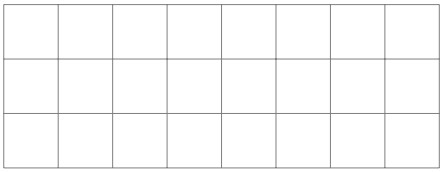
Question 15: Draw this triangle after sliding it down 2 boxes.



Question 16: Does sliding change the shape's size?

Answer: _____

Question 17: Draw a shape. Then draw it after sliding left.



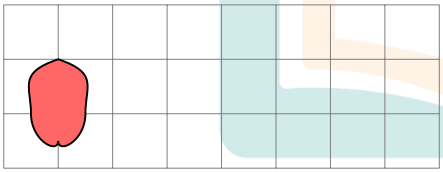
Question 18: True or False: When you slide a shape, it stays the same shape.

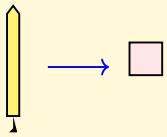
Circle: TRUE FALSE

Question 19: Can you slide a circle up?

Circle: YES NO

Question 20: Draw this heart after sliding it to the right.





Drawing Expert!

Why did the pencil love drawing slides? Because it always DREW in a straight line!

Answer Key

Worksheet 45: Slides (Moving Straight)

Section 1: Slide or Turn?

1. Circle Pair A (the shape moved in a straight line to the right)
2. NO (the shape stays the same size)
3. Slid (the arrow moved in a straight line)
4. NO (it faces the same direction after sliding)
5. A (shows a slide to the right)
6. TRUE (sliding moves without turning)

Section 2: Direction of Slide

7. Right (the circle moved to the right)
8. Up (the square moved upward)
9. B (arrow B points to the left)
10. Towards the ground / Downwards (accept similar answers)
11. $\rightarrow$ (arrow pointing right)
12. Yes (shapes can slide in any direction)

Section 3: Draw the Slide

13. Draw the flag 3 boxes to the right (same shape, same orientation)
14. NO (a square stays a square)

15. Draw the triangle 2 boxes down (same shape, same size)
16. No (sliding does not change size)
17. Draw any shape, then draw it again to the left
18. TRUE (the shape stays the same)
19. YES (any shape can slide in any direction)
20. Draw the heart to the right (same shape, same size)

Year 2 Mathematics

Slides & Turns - Worksheet 46

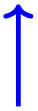
Turns (Quarter & Half)

Name: _____ **Date:** _____

Section 1: Identifying Turns (Fluency)

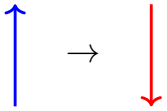
Look at the arrows and shapes. Identify the type of turn.

Question 1: Is this a **Quarter turn** or a **Half turn**?

Start:  → **Finish:** 

Answer: _____

Question 2: If an arrow points Up and turns to point Down, what turn is it?

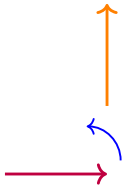


Answer: _____

Question 3: How many quarter turns make a half turn?

Answer: _____

Question 4: Is this a quarter turn?



Circle: YES NO

Question 5: What is a full turn?

Answer: _____

Question 6: True or False: A quarter turn is the same as turning from 12 to 3 on a clock.

Circle: TRUE FALSE

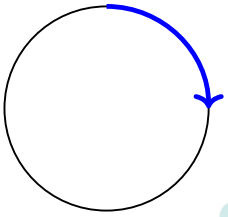
Turning Titan!

Why did the spinning top get dizzy? Because it kept going ROUND and ROUND!

Section 2: Clockwise vs Anti-Clockwise (Reasoning)

Understand the direction of turns.

Question 7: This shows a turn in which direction?



Clockwise

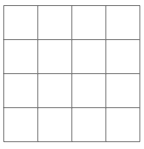
Answer: _____

Question 8: Imagine a clock. If the hand moves from 12 to 3, is that a quarter turn?

Circle: YES NO

Question 9: Draw an arrow showing a quarter turn clockwise from pointing up.

Start



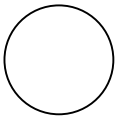
Question 10: Which way does a clock hand turn?

Answer: _____

Question 11: If you turn a square a quarter turn, how many corners have moved?

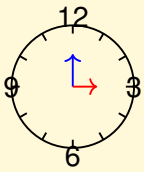
Answer: _____

Question 12: Draw the curved arrow for a half turn.



Question 13: How many quarter turns equal a full turn?

Answer: _____



Clock Master!

What did the clock say to the student? It's TIME to learn about turns!

Section 3: Draw the Turn (Challenge)

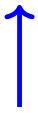
Draw shapes after they have been turned.

Question 14: Draw what the letter 'P' looks like after a half turn.

P →

Question 15: Draw a shape that looks the same after a full turn.

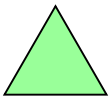
Question 16: Draw this arrow after a quarter turn clockwise.

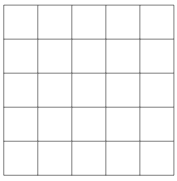


Question 17: If you turn the letter 'T' a quarter turn, does it look the same?

Circle: YES NO

Question 18: Draw this triangle after a quarter turn.



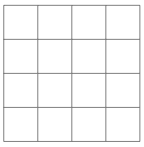


Question 19: Does a circle look different after any turn?

Circle: YES NO

Question 20: Draw what 'L' looks like after a half turn.

L



Rotation Champion!

Why did the shape win the trophy? Because it could TURN any challenge around!

Answer Key

Worksheet 46: Turns (Quarter & Half)

Section 1: Identifying Turns

1. Quarter turn (arrow turned 90 degrees from up to right)
2. Half turn (arrow turned 180 degrees)
3. 2 quarter turns
4. YES (the arrow turned 90 degrees)
5. A complete rotation / turning all the way around / 360 degrees
6. TRUE (from 12 to 3 is a quarter of the clock = quarter turn)

Section 2: Clockwise vs Anti-Clockwise

7. Clockwise (the direction shown)
8. YES (from 12 to 3 is a quarter turn)
9. Draw an arrow pointing to the right (quarter turn clockwise from up)
10. Clockwise (the direction clock hands move)
11. All 4 corners (the whole square rotates)
12. Draw a curved arrow going halfway around the circle (180 degrees)
13. 4 quarter turns

Section 3: Draw the Turn

14. Draw an upside-down ’P’ (rotated 180 degrees)

15. Draw a circle or square (shapes that look the same after rotation)
16. Draw an arrow pointing to the right (quarter turn clockwise)
17. NO (T looks different when rotated a quarter turn)
18. Draw the triangle rotated 90 degrees
19. NO (a circle always looks the same)
20. Draw an upside-down, backwards 'L' (rotated 180 degrees)

Excellent Work, Transformation Experts!

You've mastered slides and turns!

