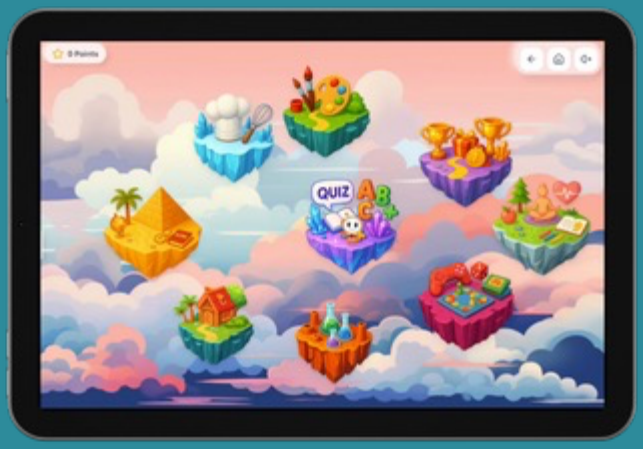

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Flips, Slides, Turns Yr 2

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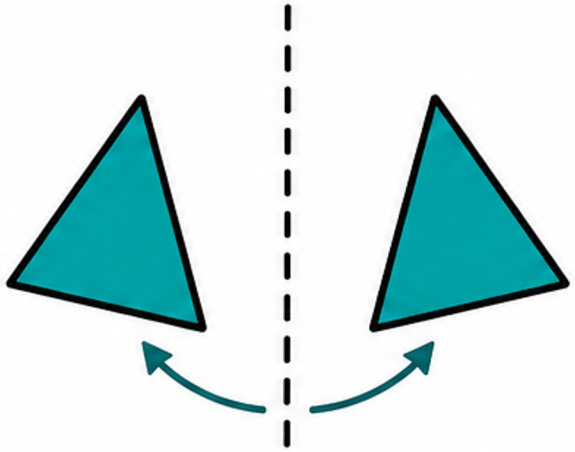
Flip, Slide, Turn

A shape can move and still stay the same size.

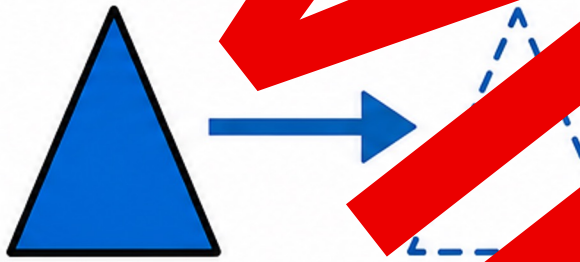
FLIP

A flip makes a mirror image.



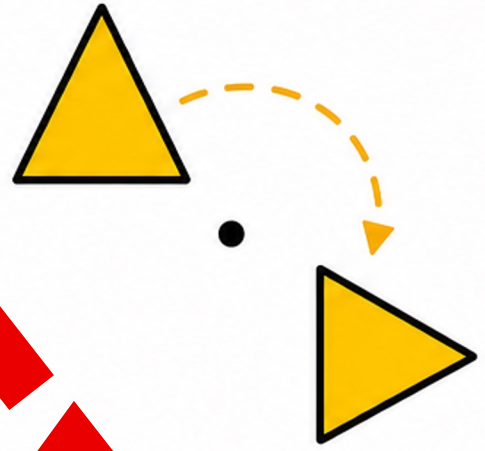
SLIDE

A shape moves without turning.



TURN

A turn rotates around a point.



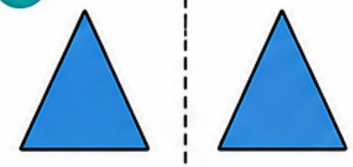
same size | same shape | new position

PREVIEW

Sukindi LEARNING

Transformation Sort Cards

Cut out the cards. Sort each movement as a flip, slide or turn.

1

Movement: _____

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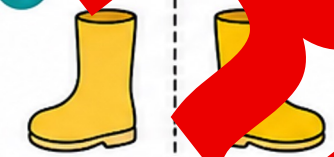
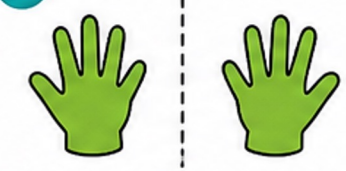

Movement: _____

3

Movement: _____

4

Movement: _____

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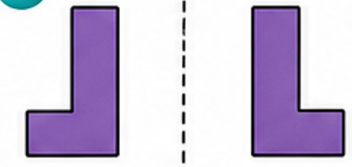
Movement: _____

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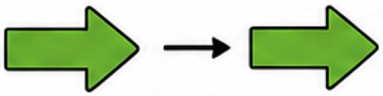
Movement: _____

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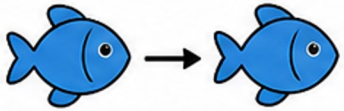
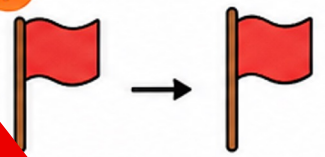

Movement: _____

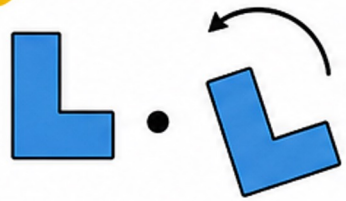
8

Movement: _____

9

Movement: _____

10

Movement: _____

11

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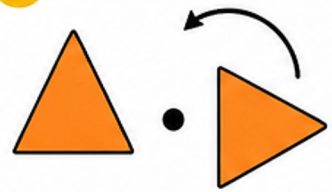
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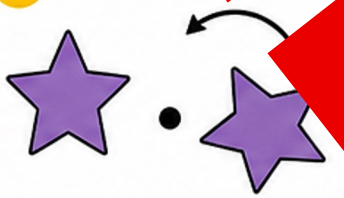
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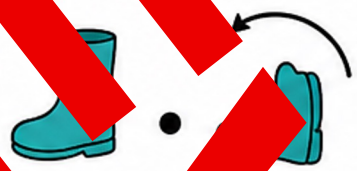
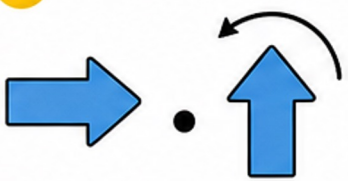

Movement: _____

15

Movement: _____

PREVIEW

Sukindi LEARNING

Flip, Slide, Turn Trail

START

1 make a flip

2 slide 2 spaces

3

4 mirror image

5 same shape

6 slide 1 space

7 quarter turn

8

9

10 make a flip

11 miss a turn

12 half turn

13 mirror image

14 slide 1 space

15 half turn

16 move again

17

18

19 slide 2 spaces

20 quarter turn

21 mirror image

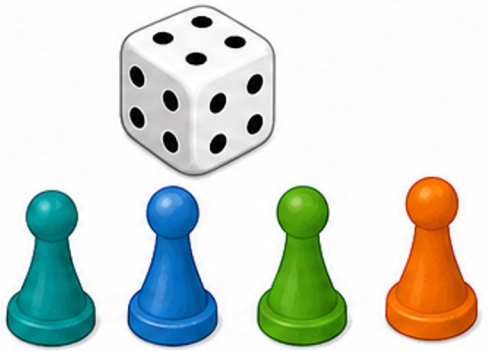
22 miss a turn

23 same shape

24 FINISH

How to play

1. Roll and move.
2. Read the space.
3. Show the movement.
4. Say flip, slide or turn.



FLIP	SLIDE	TURN

Use a ... for each player.

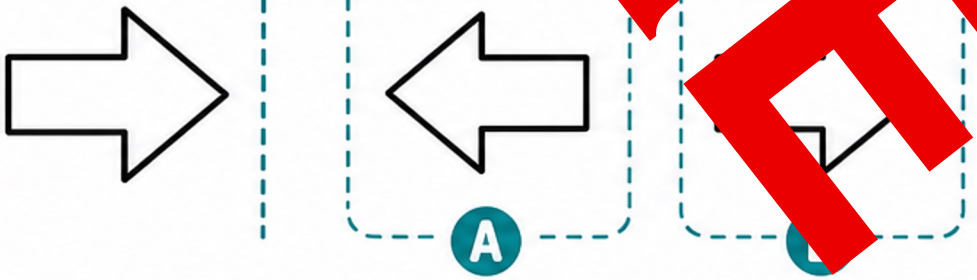
PREVIEW

Sukindi LEARNING

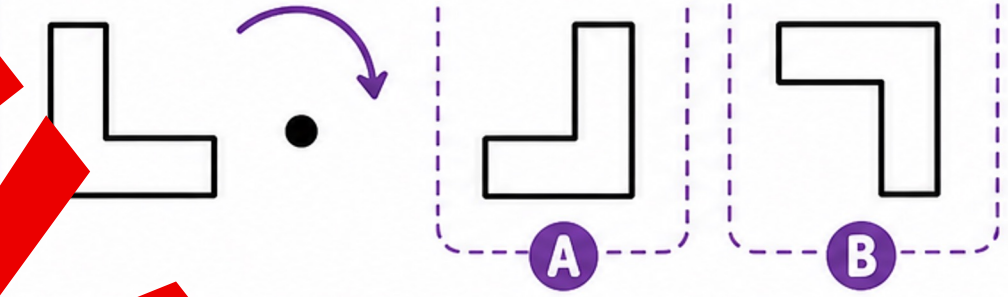
Mirror or Turn? Match Mats

Place a co[illegible] on t[illegible] after-shape that matches the movement.

Mat 1 — FLIP

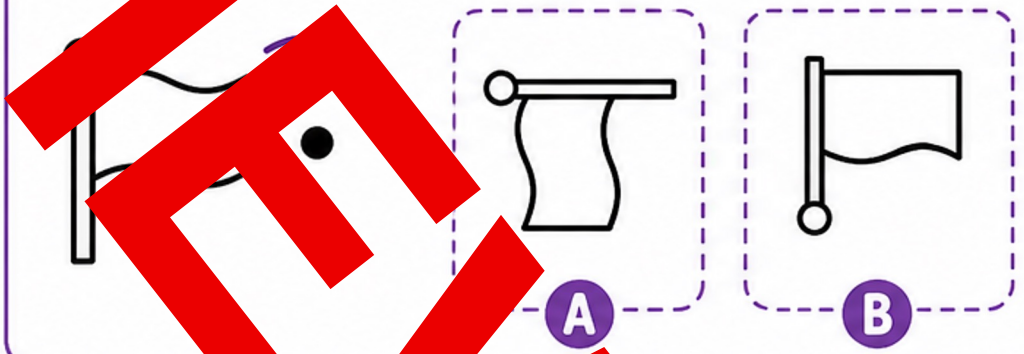


Mat 2 — TURN



Mat 3 — FLIP

Mat 4 — TURN



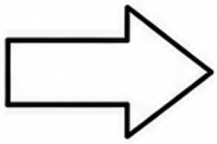
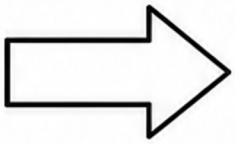
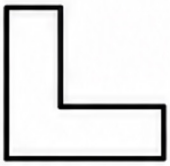
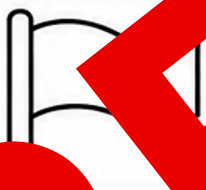
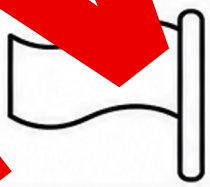
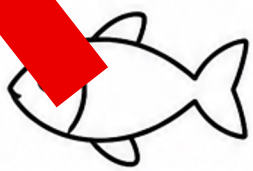
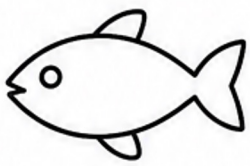
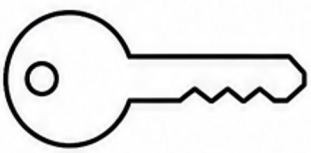
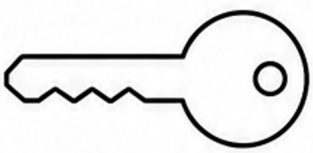
Tell a partner how you k[illegible].

PREVIEW

Name: _____ Date: _____

Slide Detective

A slide moves a shape without turning or flipping it.
Circle YES if the after-shape shows a slide. Circle NO if it does not.

	Before	After	YES	NO
1.			○	○
2.			○	○
3.			○	○
4.			○	○
5.			○	○
6.			○	○
7.			○	○
8.			○	○

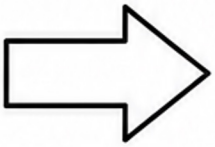
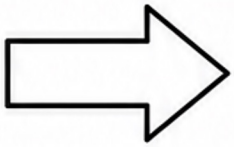
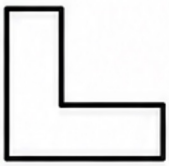
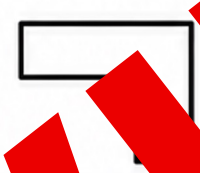
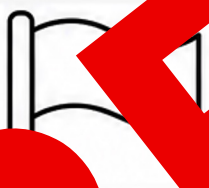
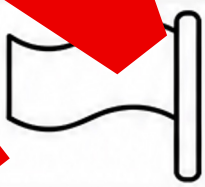
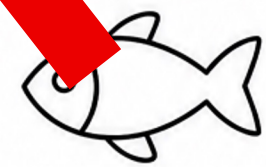
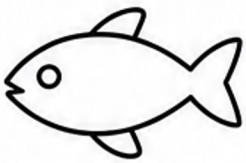
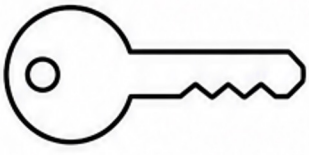
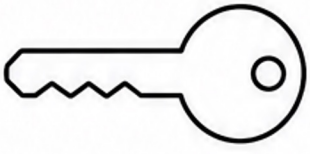
PREVIEW

Sukindi LEARNING

Name: ANSWERS Date: _____

Slide Detective

A slide moves a shape without turning or flipping it.
Circle YES if the after-shape shows a slide. Circle NO if it does not

	Before	After	YES	NO
1.			✓	○
2.			○	✓
3.			✓	○
4.			○	✓
5.			✓	○
6.			✓	○
7.			✓	○
8.			○	✓

PREVIEW

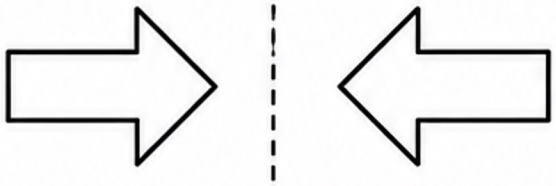
Sukindi LEARNING

Name: _____ Date: _____

Flip Finder

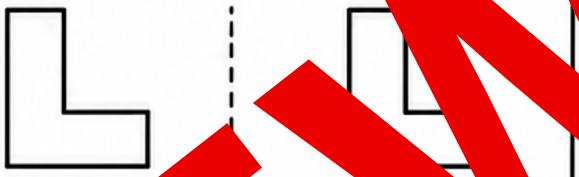
A flip makes a mirror image. Look for a matching shape on the other side of the mirror line. Circle FLIP or NOT A FLIP.

1.



○ FLIP ○ NOT A FLIP

2.

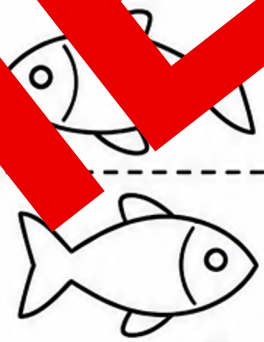


○ FLIP ○ NOT A FLIP

3.

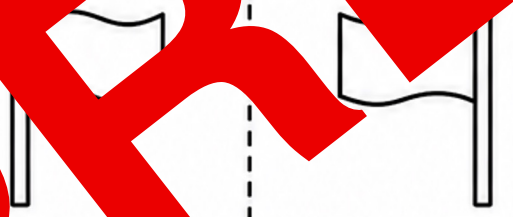
○ FLIP ○ NOT A FLIP

4.



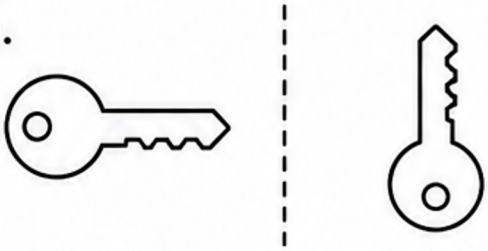
○ FLIP ○ NOT A FLIP

5.



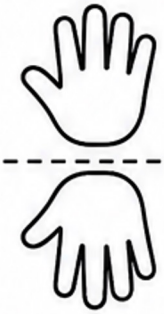
○ FLIP ○ NOT A FLIP

6.



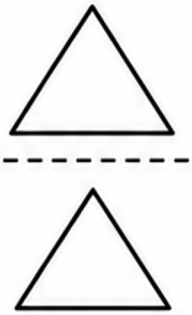
○ FLIP ○ NOT A FLIP

7.



○ FLIP ○ NOT A FLIP

8.



○ FLIP ○ NOT A FLIP

PREVIEW

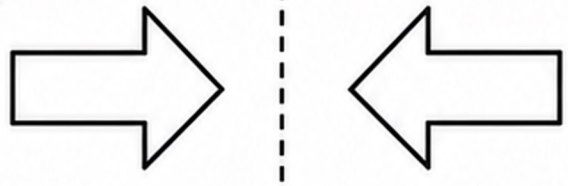
Sukindi LEARNING

Name: ANSWERS Date: _____

Flip Finder

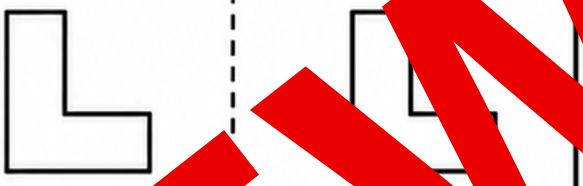
A flip makes a mirror image. Look for a matching shape on the other side of the mirror line. Circle FLIP or NOT A FLIP.

1.



✓ FLIP ○ NOT A FLIP

2.

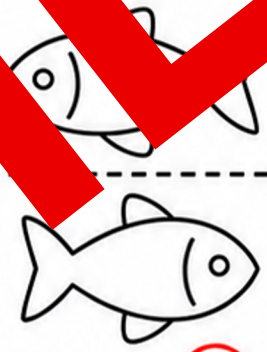


○ FLIP ✓ NOT A FLIP

3.

✓ FLIP ○ NOT A FLIP

4.

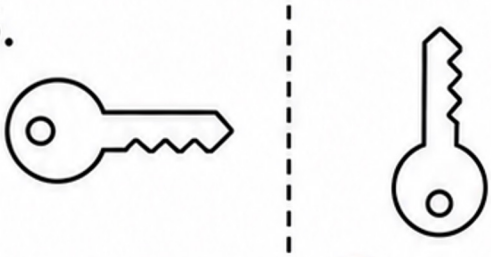


○ FLIP ✓ NOT A FLIP

5

✓ FLIP ○ NOT A FLIP

6.

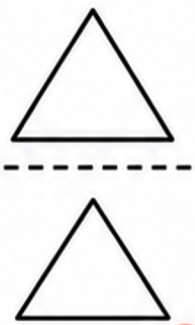


○ FLIP ✓ NOT A FLIP

7.

✓ FLIP ○ NOT A FLIP

8.



○ FLIP ✓ NOT A FLIP

PREVIEW

Sukindi LEARNING

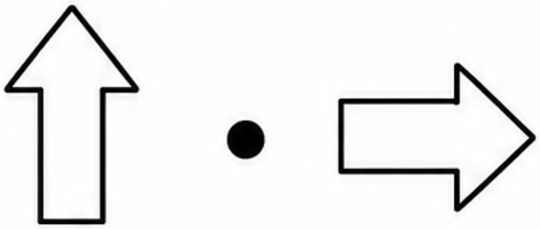
Name: _____ Date: _____

Turn Tracker

Look at the before and after arrows. Describe each movement using quarter turn, half turn, clockwise or anti-clockwise.

1.

Before After



My description: _____

2.

Before A

My d tion: _____

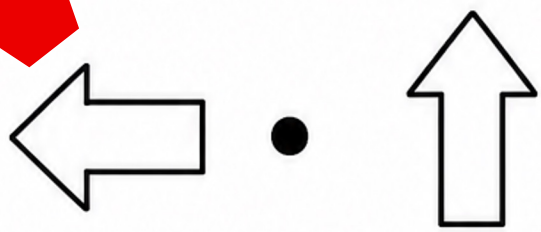
3.

Before fter

My des _____

4

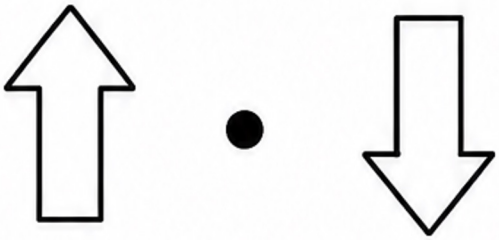
Before After



My description: _____

5.

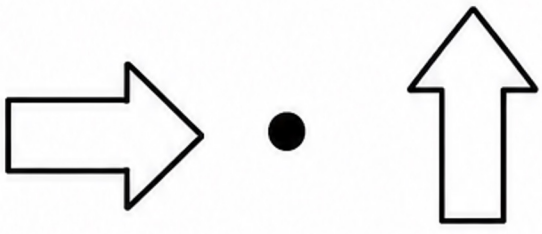
Before After



My description: _____

6.

Before After



My description: _____

PREVIEW

Sukindi LEARNING

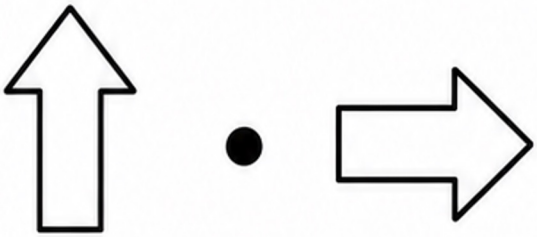
Name: ANSWERS Date: _____

Turn Tracker

Look at the before and after arrows. Describe each movement using quarter turn, half turn, clockwise or anti-clockwise.

1.

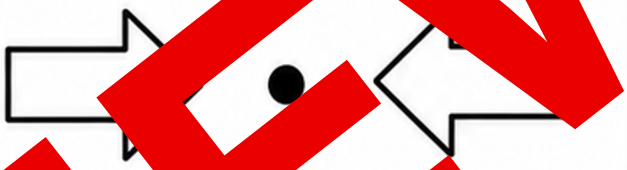
Before After



My description: quarter turn clockwise

2.

Before Aft



My des on: urn

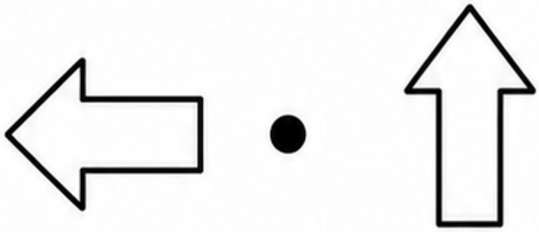
3.

Before Aft

escrip quarter turn anti-clockwise

4.

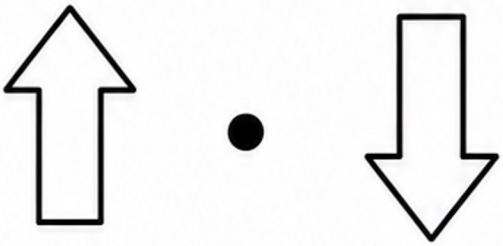
Before After



My description: quarter turn clockwise

5.

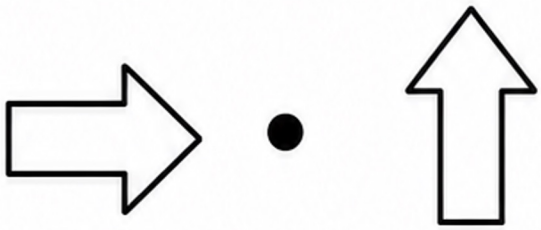
Before After



My description: half turn

6.

Before After



My description: quarter turn anti-clockwise

PREVIEW

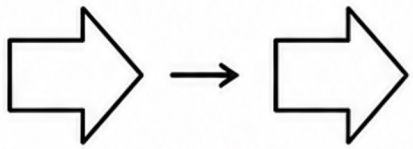
Sukindi LEARNING

Name: _____ Date: _____

Which Transformation?

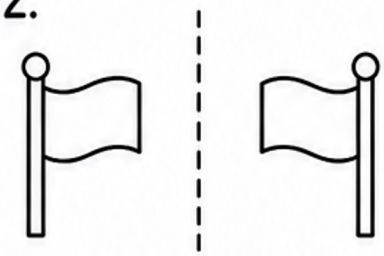
Look at each before-and-after pair. Write flip, slide or turn.

1.



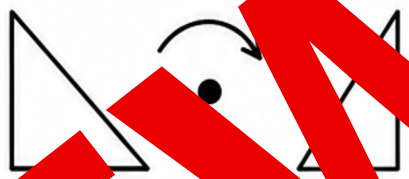
Answer: _____

2.



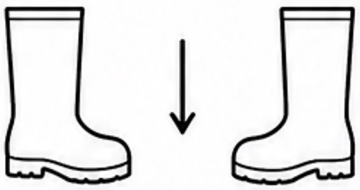
Answer: _____

3.



Answer: _____

4.



Answer: _____

5.

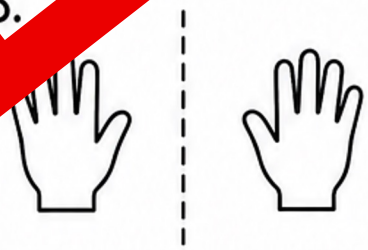
Answer: _____

Answer: _____

7.

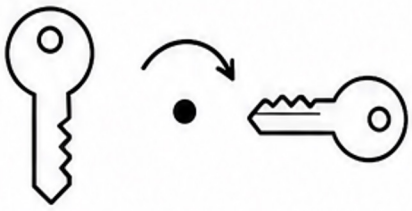
Answer: _____

8.

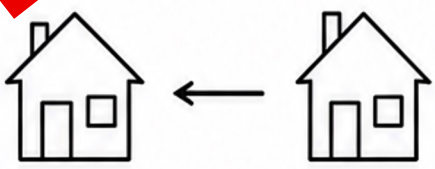


Answer: _____

9.

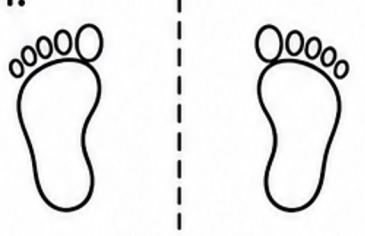


Answer: _____



Answer: _____

11.



Answer: _____

12.

Answer: _____

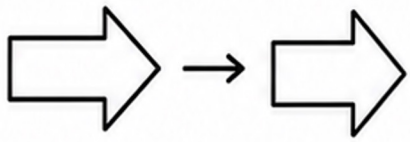
PREVIEW

Sukindi LEARNING

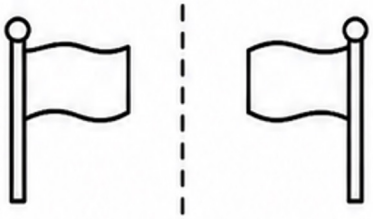
Name: ANSWERS Date: _____

Which Transformation?

Look at each before-and-after pair. Write flip, slide or turn.

1. 

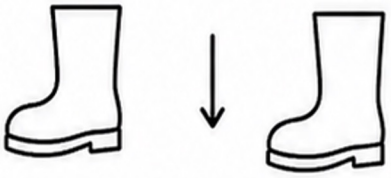
Answer: slide

2. 

Answer: flip

3.

Answer: turn

4. 

Answer: slide

5.

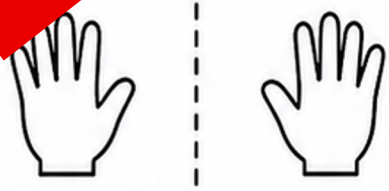
Answer: flip

6.

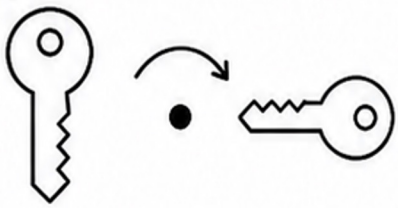
Answer: turn

7.

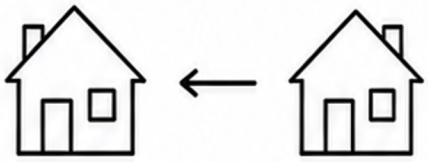
Answer: slide

8. 

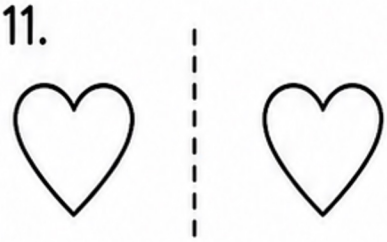
Answer: flip

9. 

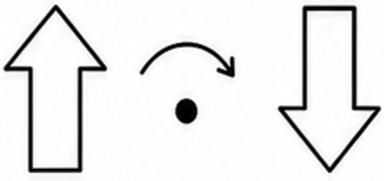
Answer: turn

10. 

Answer: slide

11. 

Answer: flip

12. 

Answer: turn

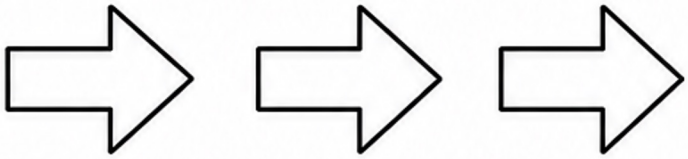
PREVIEW

Sukindi LEARNING

Name: _____ Date: _____

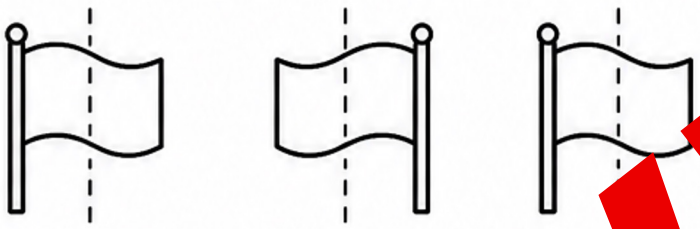
Pattern Moves

Look at each pattern. Write the movement rule, then draw the next shape.

1. 

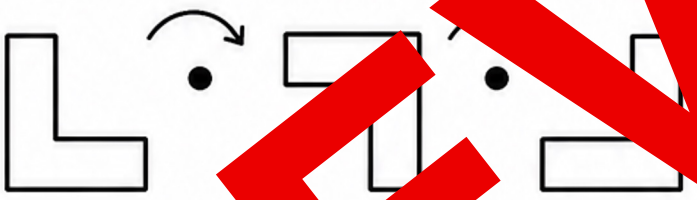
Rule: _____

Next shape:

2. 

Rule: _____

Next shape:

3. 

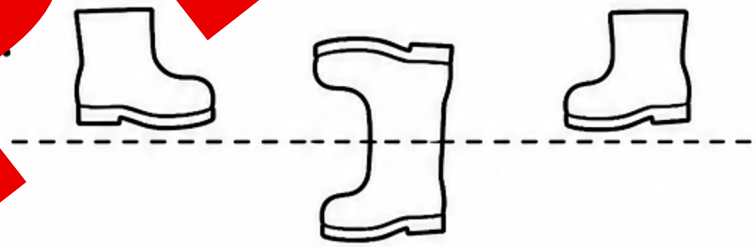
Rule: _____

Next shape:

4.

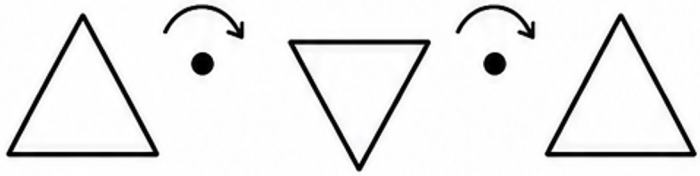
Rule: _____

Next shape:

5. 

Rule: _____

Next shape:

6. 

Rule: _____

Next shape:

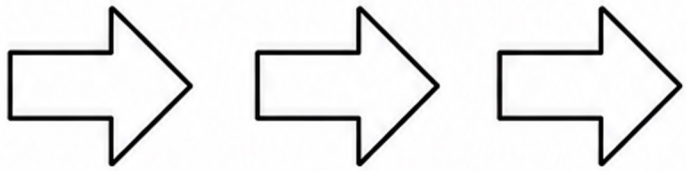
PREVIEW

Sukindi LEARNING

Name: ANSWERS Date: _____

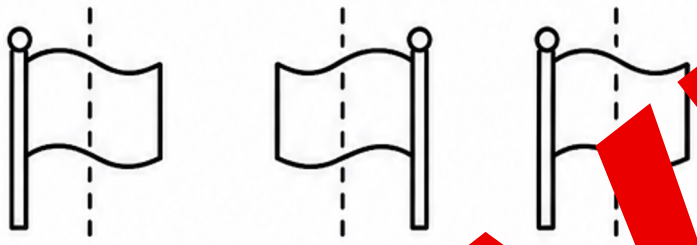
Pattern Moves

Look at each pattern. Write the movement rule, then draw the next shape.

1. 

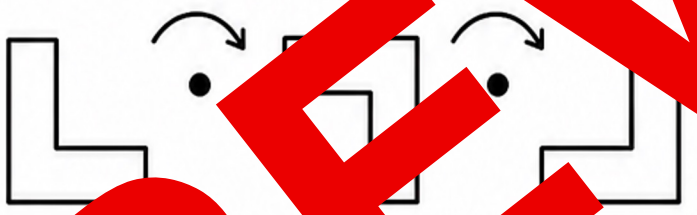
Rule: slide

Next shape:

2. 

Rule: fli

shap

3. 

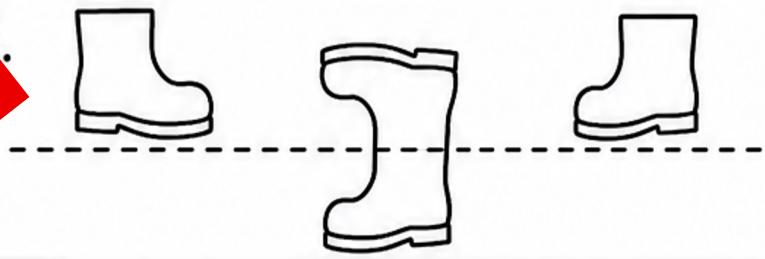
Rule: turn

Next shape:

4.

Rule: slide

Next shape:

5. 

Rule: flip

Next shape:

6.

Rule: turn

Next shape:

PREVIEW

Sukindi LEARNING

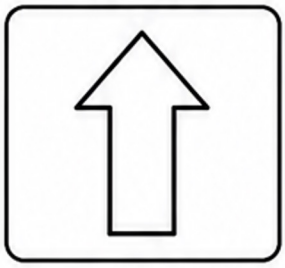
Name: _____ Date: _____

Create and Describe

Draw the after-shape. Then describe the movement using maths words.

1. Make a slide.

Before



After

My movement:

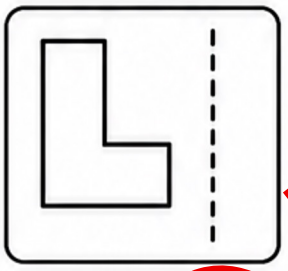
_____

How I know:

_____

2. Make a flip.

Before



After

My movement:

_____

How I know:

_____

3. Make a quarter turn.

Before

After

My movement:

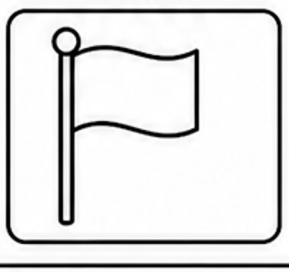
_____

How I know:

_____

4. Make a movement of your choice.

Before



After

My movement:

_____

How I know:

_____

PREVIEW

Sukindi LEARNING

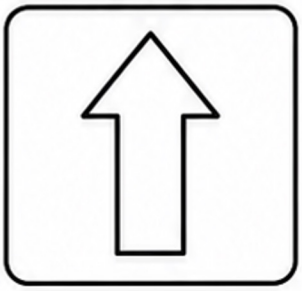
Name: ANSWERS Date: _____

Create and Describe

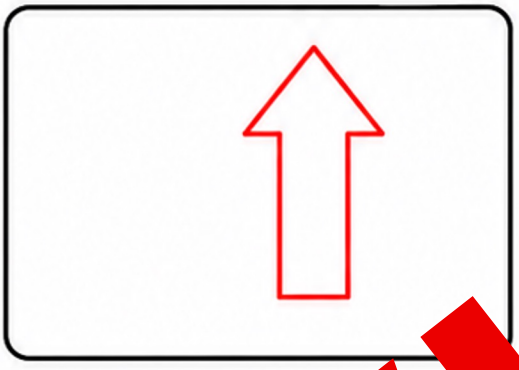
Draw the after-shape. Then describe the movement using maths words.

1. Make a slide.

Before



After



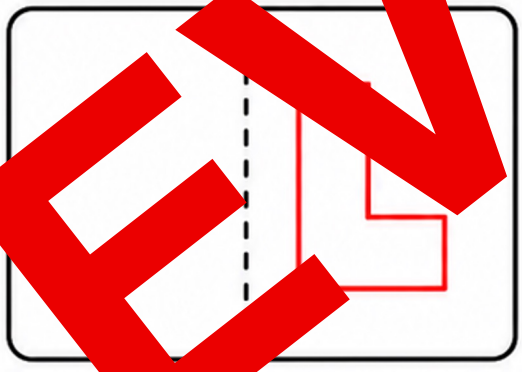
My movement: sli

How I know: ection, new position

2. Make a flip.

Before

After

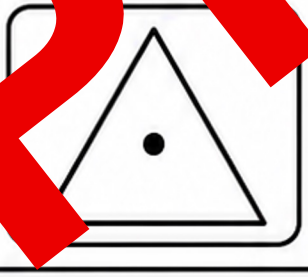


My movement: flip

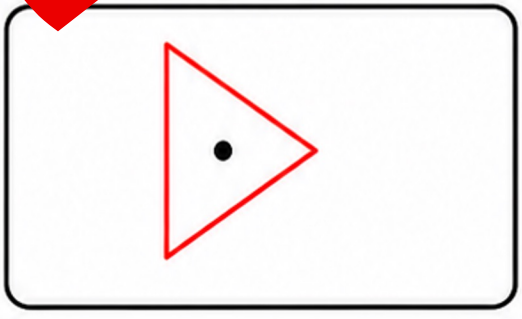
How I know: mirror image

3. Mak er t

Befo



After

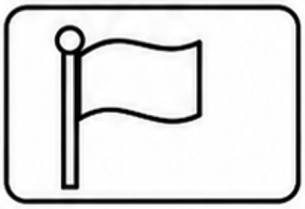


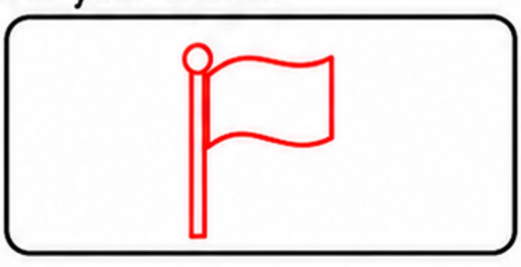
My movement: quarter turn clockwise

How I know: same shape, turned around the point

4. Make a movement of your choice.

Before





My movement: slide

How I know: same size, same shape, new position

PREVIEW

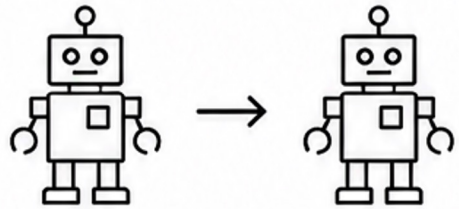
Sukindi LEARNING

Name: _____ Date: _____

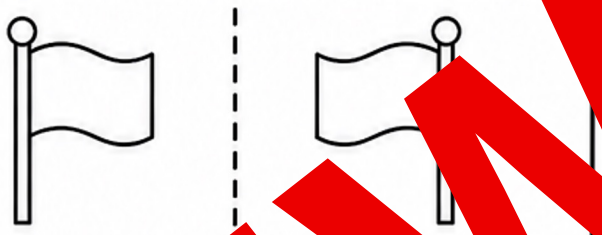
Transformation Check-in

Show what you know about flips, slides and turns.

A. Name the movement

1. 

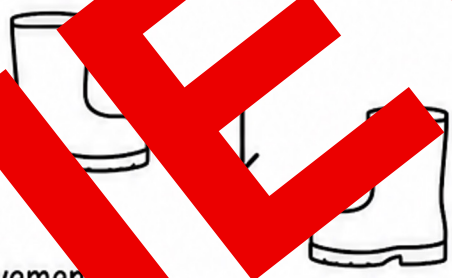
Movement: _____

2. 

Movement: _____

3.

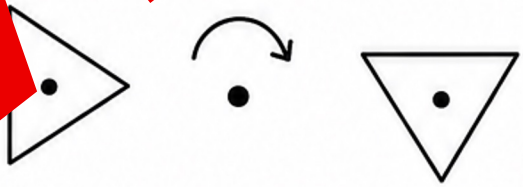
Movement: _____

4. 

Movement: _____

5.

Movement: _____

6. 

Movement: _____

B. Draw and Describe

7. Draw a slide.

Before

After

Description: _____

8. Draw the after-shape for a flip.

Before

After

Description: _____

9. Draw the after-shape for a quarter turn.

Before

After

Description: _____

PREVIEW

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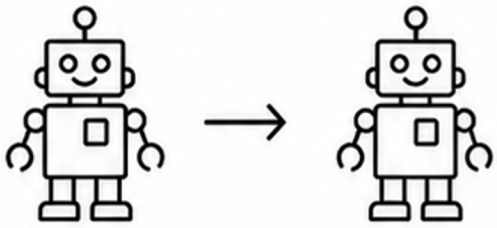
Name: ANSWERS Date: _____

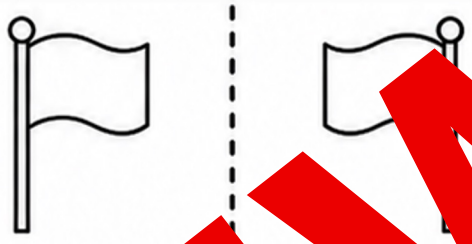
Transformation Check-in

Show what you know about flips, slides and turns.

A. Name the movement

1. 

Movement: slide

2. 

Movement: flip

3.

Movement: turn

4.

Movement: slide

5.

Movement: _____

6.

Movement: turn

B. Draw and describe

7. Draw the after-shape for a slide.

Before

After

Description: slide

8. Draw the after-shape for a flip.

Before

After

Description: flip

9. Draw the after-shape for a quarter turn.

Before

After

Description: quarter turn clockwise

PREVIEW

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Flips, Slides, Turns Yr 2 Rubric

Criteria	BEGINN	DEV PING	ACHIEVING	CONFIDENT	EXCEEDING
1. Identifies movements	Names few movements correctly.	Names fli es d turn	Names common movements correctly.	Names movements and explains clues.	Justifies choices with precise language.
2. Represents transformations	Needs support to draw after-shapes.	Draw me after-shapes correctly.	Draws slides, flips rns correctly	Draws accurate examples with clear cues.	Creates accurate examples independently.
3. Uses turn language	Uses limited turn words.	Uses quarter, half or direction words with support.	Us rter tu ha turn, cl se and ar ckw	Describes turns clearly and ccurately.	Explains turns using centre point and direction.
4. Explains reasoning	Gives little explanation.	Gives a simple clue.	Explains same size, shape or position.	Co ares before an cle	Uses mathematical evidence to justify answers.

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Flips, Slides, Turns Yr 2

PREVIEW

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Learning Goal

We can describe and represent flips, slides and turns.

PREVIEW

Same Shape, New Place

A transformation moves a shape.

The shape keeps the same size and the same shape.

PREVIEW

Slides

A slide moves a shape to a new position.

It does not turn or flip.

PREVIEW

Slide Clues

Look for the same direction.

Only the position changes.

PREVIEW

Flips

A flip makes a mirror image.

The shape reflects across a mirror line.

PREVIEW

Mirror Lines

A flip can use a vertical mirror line or a horizontal mirror line.

The shape stays congruent.

PREVIEW

Turns

A turn rotates a shape around a centre point.

The shape faces a new direction.

PREVIEW

Quarter Turns

A quarter turn is one part of four equal turns around a point.

PREVIEW

Half Turns

A half turn moves a shape halfway around.

It is the same as two quarter turns.

PREVIEW

Clockwise And Anti clockwise

Clockwise moves like the hands of a clock.

Anti-clockwise moves the opposite way.

PREVIEW

Flip Or Turn?

A flip ma[illegible]s a [illegible]irror [illegible]mage.

A tur[illegible] rotates a[illegible]nd a point.

[illegible]e t[illegible] clue[illegible] in the diagram.

PREVIEW

Transformation Patterns

Look for the rule.

Is the shape sliding, flipping or turning each time?

PREVIEW

Talk Like A Mathematician

Use words such as flip, slide, turn, mirror image, quarter turn, half turn, clockwise and anti-clockwise.

PREVIEW

Partner Practice

Show a movement with your hands or a paper shape.

Ask your partner to name and describe it.

PREVIEW

Review

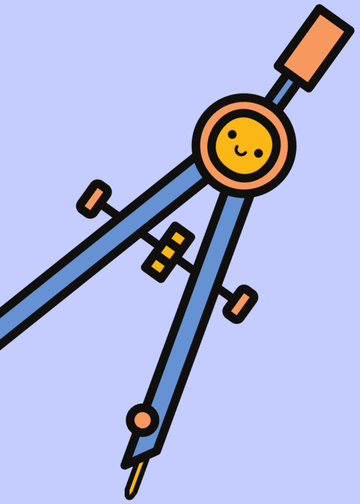
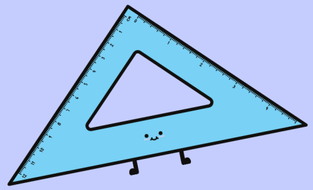
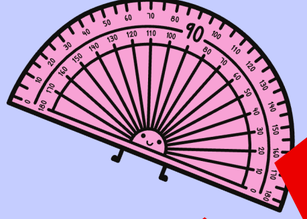
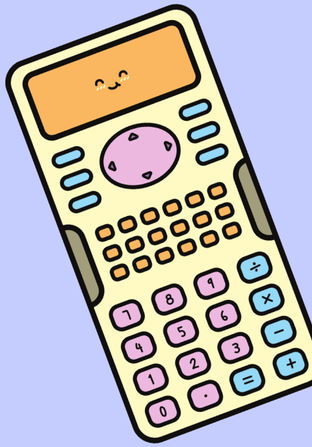
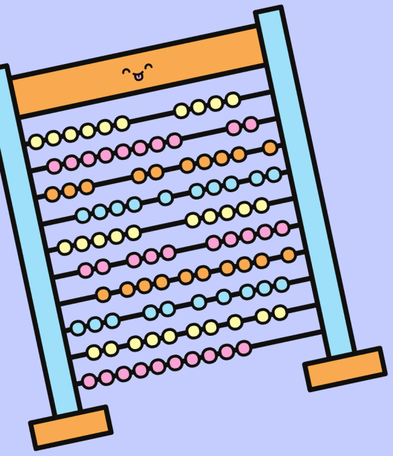
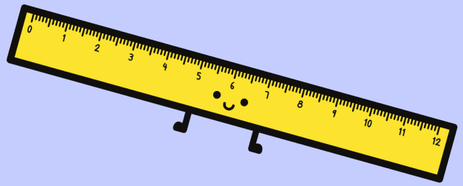
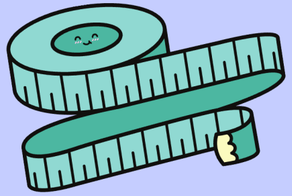
Can you name this movement?

Can you draw the after-shape?

Can you explain how you know?

PREVIEW

Well Done!

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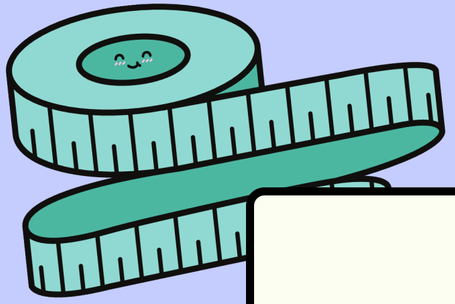
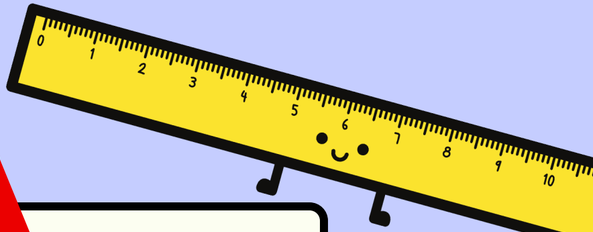
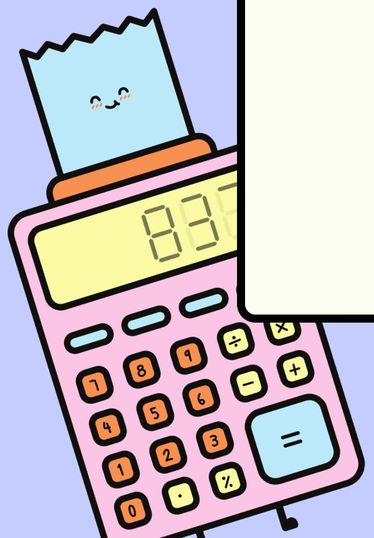




Flips, Slides, Turns Yr 2 Quiz

PREVIEW



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Question 1

Question

Which movement slides a shape without turning or flipping it?

A. flip

B. slide

C. turn

D. shrink

PREVIEW

Answer I

Answer 1

B. slide

PREVIEW

Question 2

Question 2

True or False?

A transformation changes the size of the shape.

PREVIEW

Answer 2

Answer 2

False. The size stays the same.

PREVIEW

Question 3

Question 3

What does a flip make?

PREVIEW

Answer 3

Answer 3

A mirror image.

PREVIEW

Question 4

Question

Which direction moves the same way as clock hands?

A. anti-clockwise

B. clockwise

C. sideways

D. backwards

PREVIEW

Answer !!

Answer : 4

B. clockwise

PREVIEW

Question 5

Question

A half turn is the same as:

A. one quarter turn

B. two quarter turns

C. three quarter turns

D. no turn

PREVIEW

Answer 5

An[illegible]ve[illegible]5

[illegible] two quarter turns

PREVIEW

Question 6

Question 6

True or False?

A slide keeps the shapes facing the same direction.

PREVIEW

Answer 6

Answer 6

True.

PREVIEW

Question 7

Question 7

A shape moves around a centre point. What movement is this?

PREVIEW

Answer 7

Answer 7

A turn.

PREVIEW

Question 8

Question

An arrow points up. After a quarter turn clockwise, it points:

A. up

B. right

C. down

D. left

PREVIEW

Answer 8

Answer 8

B. right

PREVIEW

Question 9

Question 9

Name the opposite direction to clockwise.

PREVIEW

Answer 9

Answer 9

Anti-clockwise.

PREVIEW

Question 10

Question 10

Write one complete transformation description.

PREVIEW

Answer 10

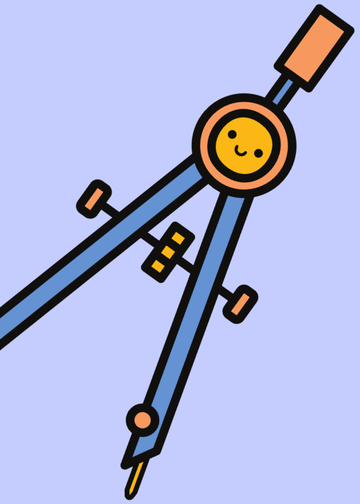
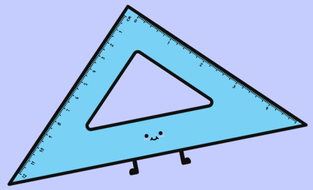
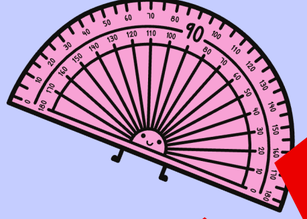
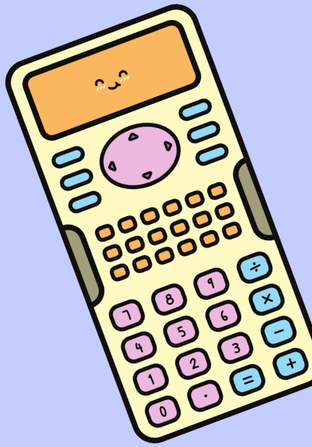
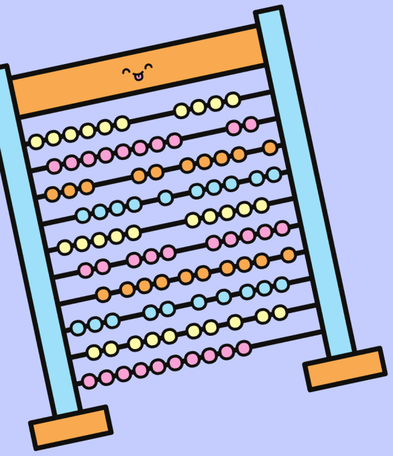
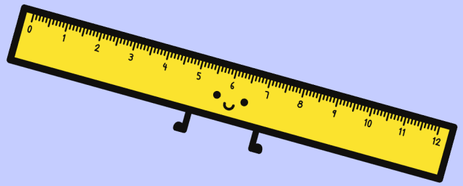
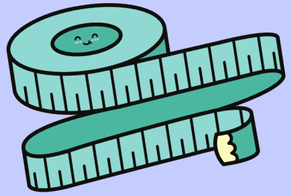
Answer 10

Example: quarter turn clockwise.

Other clear descriptions may also be correct.

PREVIEW

Well Done!

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