

Fun with Felt



Strands:

Number & Quantity	X
Algebra	
Functions	
Geometry	X
Statistics & Probability	

Materials:

- Large felt board (optional)
- Picture frame felt boards (6)
- Felt to make each of the Fun with Felt shape sets:
 - White
 - Black
 - Brown
 - Orange
 - Green
 - Yellow
 - Dark Red
 - Purple
 - Light Blue
 - Dark Blue

Where:

Outside	
Inside	X
On-line	
On-site	



Make pictures with felt while working on counting, shape recognition, color, and categorizing skills in this activity for Pre-Kindergarten and Kindergarten learners.

Objectives of Fun with Felt:

- Count to answer the question, “How many?”
- Identify the shape of a given figure regardless of orientation, size, or color.
- Compare sizes of shapes to determine which shape is largest, smallest, etc.
- Sort shapes into categories based on specific attributes.
- Describe the positions of shapes on a felt board using terms such as above, below, in front of, behind, and next to.

Set-Up:

- Choose a *Fun with Felt* shape set.
 - Boats
 - People
 - Shapes
 - Space
 - Trees
 - Houses and car
- Print the chosen set on card stock and cut out each shape. Trace each shape onto the same color felt and cut out the felt shape. Alternatively, attach a self-adhesive felt pad to the back of each card stock shape.
- Make a felt board using an 8” by 10” picture frame. Glue felt to the picture side of the frame back. The felt will be surrounded by the picture frame.

Fun with Felt, General Directions:

Find and follow the directions for the *Fun with Felt* set you chose. As you play, think about these ideas:

- Name any shapes you know. Point out shapes you see around you.
- Is a circle still a circle if its size is changed?
- Count as high as you can.
- Name the color of each shape.

You will be making pictures using different shapes and colors. You can make pictures together or individually. Listen to the questions and directions for the shape set you chose. Answer some or all of the questions listed. Questions can be omitted or added to the list depending on your skill level.

Think About It:

- What was your favorite felt set to play with? Why?
- Did you learn any new shapes today?
- What else did you learn (anything about the sea, space, houses, people, trees, etc.)?

Extensions:

Houses and Car: There is no direction page to go with this *Fun with Felt* shape set. Make up your own directions.

Mix It Up: Combine shape sets and make your own pictures! Think about the questions and ideas in the General Directions above as you play.

Felt set pieces are not exactly the sizes listed. Within each set, relative sizes are important; exact sizes are not.

Boat Set: One 2.5-inch brown half-circle, one 4-inch brown half-circle, one 0.25 by 1.5-inch brown rectangle, one 0.5 by 2 inch brown rectangle, one 5-inch white sail, one 3.5-inch white sail, light blue wave piece, one 1.25 by 10 inch dark blue wave piece.

People Set: Three pairs of 1-inch shoes (black, light green, orange), three 1.5-inch circles (white, black, brown), three sets of four 1.5-inch yellow hair pieces, one 3-inch brown hair piece, one 2-inch black hair piece, two 2-inch equilateral triangles (yellow, orange), one 3-inch purple equilateral triangle, one 1.25 by 2.25 inch brown pair of pants, one 1.25 by 1.25 inch green pair of pants.

Shape Set: One 2-inch black hexagon, one 2-inch black heptagon, three 2-inch white hexagons, one 3-inch orange cross, six 1-inch white squares, four 1-inch purple squares, one 1 by 3 inch orange rectangle, one 1 by 5 inch orange rectangle, one 1 by 3 inch brown rectangle, one 3.5 by 4.75 inch (small diameter by large diameter) orange oval, one 2.5 by 3.25 orange oval, one 2.5-inch orange circle, two 1.75-inch orange circles, two 1.5-inch orange circles, one 4-inch purple circle, two 2.5-inch purple circles, one 1.5-inch small purple circle.

Space Set: One 1 by 2 inch green rectangle, one 1-inch equilateral dark red triangles, two 1.5-inch dark red rocket fins, one 2.5-inch yellow circle, two 1.5-inch circles (green and purple), one 1-inch orange circle, one 0.75-inch brown circle, twelve 0.25 by 1 inch orange rectangles.

Tree Set: Nine 0.5-inch red circles, three 1 by 4-inch brown rectangles, three 3-inch green treetops.

House and Car Set: Two 1-inch black squares, two 0.75-inch purple squares, one 2.5-inch brown square, one 2.75-inch light green square, two 0.75 by 1.25 inch rectangles (brown and red), one 0.75 by 1 inch orange rectangle, one 1-inch black half-circle, two 0.5-inch black circles, two 4.5-inch (base) dark red isosceles triangles, one 2.75-inch orange car body, one 4.5-inch brown pathway.

Fun with Felt – Boats



Set-Up:

Number & Quantity	X
Algebra	
Functions	
Geometry	X
Statistics & Probability	

Make pictures with felt while working on your counting, shape and color recognition, and

Set-Up:

- Choose a felt board.
 - Spread out the felt pieces so you can see all of them. Make sure you have them all.
1. Make a picture with the felt pieces. Describe your picture. Talk about the shapes you used. For each shape, why did you use the shape to make what you did?
 2. Find all of the pieces that look like half of a circle. How many are there? Which one is smallest?
 3. Use some of the shapes to make a picture of boats on the water. (What makes some boats move on the water? Some boats have sails!) What shapes could we use for sails?
 4. Find the large blue pieces. What could these shapes be used for?
 5. Find the small shapes that look like fish. How many fish are there? Sort the fish based on their colors. Put the fish in your picture.

Materials Needed:

- Large felt board or picture frame felt board
- Felt pieces (number needed):
 - 2.5 in. brown half-circle (1)
 - 4 in. brown half-circle (1)
 - 0.25 by 1.5 in. brown rectangle (1)
 - 0.5 by 2 in. brown rectangle (1)
 - 5 in. white sail (1)
 - 3.5 in. white sail (1)
 - 1.75 in. fish (orange and purple) (2)
 - 1 in. fish (yellow and orange) (2)
 - 2.5 by 10 in. light blue wave piece (1)



Think About It:

6. Count all of the objects. How high can you count?
7. Does the color of a felt piece change if you turn it? Does the color change depending on its size?
8. Does the shape of a felt piece change if you turn it? Does the shape change depending on its size?

Variation:

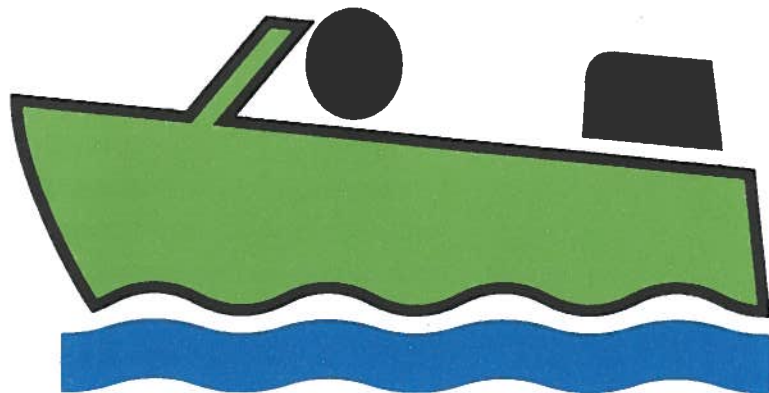
Create your own Felt Set: Get inspired and create your own felt set! Use various shapes and colors. Think of questions to ask in order to help learn more about shapes and colors, and about the particular scene you will be making with those felt pieces.

Helpful Hints:

- If you are not sure what felt pieces to use to make the picture, try making your own picture. Think of what things you have seen before that look like that shape. Be creative!

Where:

Outside	
Inside	X
On-line	
On-site	



Fun with Felt – Shapes



Strands:

Number & Quantity	X
Algebra	
Functions	
Geometry	X
Statistics & Probability	

Make pictures with felt while working on your counting, shape and color recognition, and

Set-Up:

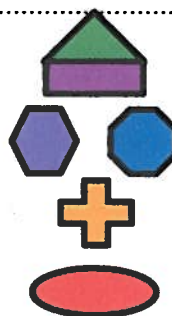
- Choose a felt board.
 - Spread out the felt pieces so you can see all of them. Make sure you have them all.
- Make a picture with the felt pieces. Describe your picture. Talk about the shapes you used. For each shape, why did you use the shape to make what you did?
 - What kinds of shapes do you see? Sort the shapes.
 - Find all of the circles. How many circles are there? Sort the circles based on their colors.
 - Look at the purple circles. Line them up in order of size. Which circle is the biggest? Which circles are the same size?
 - Find the shapes that have six sides. These are called hexagons. How many hexagons are there?
 - Find all of the squares. Sort the squares based on their colors. How many squares are there?

Think About It:

- Are you able to count all of the objects? What is the highest number you could count to?
- Does the color of a felt piece change if you turn it? Does the color change depending on its size?
- Does the shape of a felt piece change if you turn it? Does the shape change depending on its size?

Materials Needed:

- Large felt board or picture frame felt board
- Felt Pieces:
 - 2 in. black hexagon (1)
 - 2 in. black heptagon (1)
 - 2 in. white hexagons (3)
 - 3 in. orange cross (1)
 - 1 in. white squares (6)
 - 1 in. purple squares (4),
 - 1 by 3 inch orange rectangle (1)
 - 1 by 5 in. orange rectangle (1)
 - 1 by 4 in. brown rectangle (1)
 - 3.5 by 4.75 in. orange oval (1)
 - 2.5 by 3.25 in. orange oval (1)
 - 2.5 in. orange circle (1)
 - 1.75 in. orange circles, (2)
 - 1.5 in. orange circles, (2)
 - 4 in. purple circle (1)
 - 2.75 in. purple circles (2)
 - 1.5 in. small purple circle (1)



Where:

Outside	
Inside	X
On-line	
On-site	

Variations:

Create Your Own Felt Set: Get inspired and create your own felt set! Use various shapes and colors. Think of questions to ask in order to help learn more about shapes and colors, and about the particular scene you will be making with those felt pieces.

Helpful Hints:

- If you are not sure what felt pieces to use to make the picture, try making your own picture. Think of what things you have seen before that look like that shape. Be creative!

Fun with Felt – Space



Make pictures with felt while working on your counting, shape and color recognition, and categorizing skills!

Strands:

Number & Quantity
Algebra
Functions
Geometry
Statistics & Probability

X
X

Materials Needed:

- Large felt board or picture frame felt board
- Felt Pieces:
 - one 1 by 2 inch green rectangle (1)
 - 1 in. equilateral dark red triangle (1)
 - 1.5 in. dark red rocket fins (2)
 - 2.5 in. yellow circle (1)
 - 1.5 in. circles (green and purple) (2)
 - 1 in. orange circle (1)
 - 0.75 in. brown circle (1)
 - 0.25 by 1 in. orange rectangles (12)

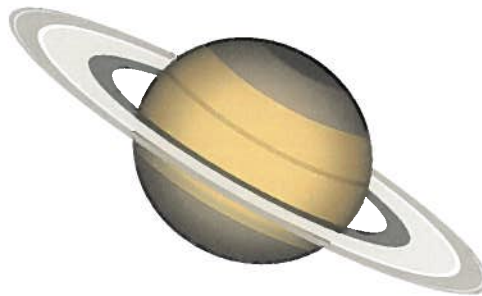


Set-Up:

- Choose a felt board.
 - Spread out the felt pieces so you can see all of them. Make sure you have them all.
1. Make a picture with the felt pieces. Describe your picture. Talk about the shapes you used. For each shape, why did you use the shape to make what you did?
 2. Find all of the circles. How many are there? What colors are the circles? Which circle is the largest?
 3. Use some of the shapes to make a picture of space. What shape could be used for the planets?
 4. Find all of the rectangles. What could we use these pieces for? (The Sun is very hot and has rays.) Let's use these rectangles as the Sun's rays. Put them in your picture.
 5. What pieces are left? Which piece is a triangle? What color is the triangle? What could these pieces be used to make? (There are rocket ships in space!) Put these pieces in your picture to make a rocket ship.

Think About It:

6. Are you able to count all of the objects? What is the highest number you could count to?
7. Does the color of a felt piece change when you turn it? Does the color change depending on its size?
8. Does the shape of a felt piece change when you turn it? Does the shape change depending on its size?



Where:

Outside
Inside
On-line
On-site

X

Variations:

Create Your Own Felt Set: Get inspired and create your own felt set! Use various shapes and colors. Think of questions to ask in order to help learn more about shapes and colors, and about the particular scene you will be making with those felt pieces.

Helpful Hints:

- If you are not sure what felt pieces to use to make the picture, try making your own picture. Think of what things you have seen before that look like that shape. Be creative!

Fun with Felt – Trees



Make pictures with felt while working on your counting, shape and color recognition, and categorizing skills!

Strands:

Number & Quantity

X

Algebra

Functions

Geometry

X

Statistics & Probability

Materials Needed:

- Large felt board or picture frame felt board
- Felt pieces (Number needed): 0.5 in. red circles (9)
1 by 4 in. brown rectangles (3)
3 in. green tree tops (3)

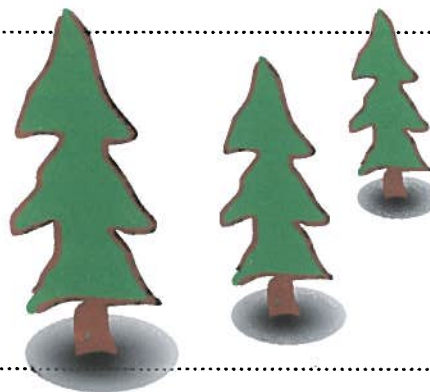


Set-Up:

- Choose a felt board.
 - Spread out the felt pieces so you can see all of them. Make sure you have them all.
1. Make a picture with the felt pieces. Describe your picture. Talk about the shapes you used. For each shape, why did you use the shape to make what you did?
 2. Find all of the rectangles. How many rectangles are there? What color are they?
 3. Use some of the shapes to make trees. What shape is best for the trunks of the trees? What shape is best for the tops of the trees?
 4. Find all of the circles. How many circles are there? What color are they? What do you think these pieces could be? (Some trees have apples on them!) Put these circles in your picture.
 5. How many trees are in your picture?
 6. If each tree has the same amount of apples, how many apples should be on each tree?

Think About It:

7. Count all of the objects. What is the highest number you can count to?
8. Does the color of a felt piece change if you turn it? Does the color change depending on its size?
9. Does the shape of a felt piece change if you turn it? Does the shape change depending on its size?



Where:

Outside

Inside

X

On-line

On-site

Variations:

Create Your Own Felt Set: Get inspired and create your own felt set! Use various shapes and colors. Think of questions to ask in order to help learn more about shapes and colors, and about the particular scene you will be making with those felt pieces.

Helpful Hints:

- If you are not sure what felt pieces to use to make the picture, try making your own picture. Think of what things you have seen before that look like that shape. Be creative!