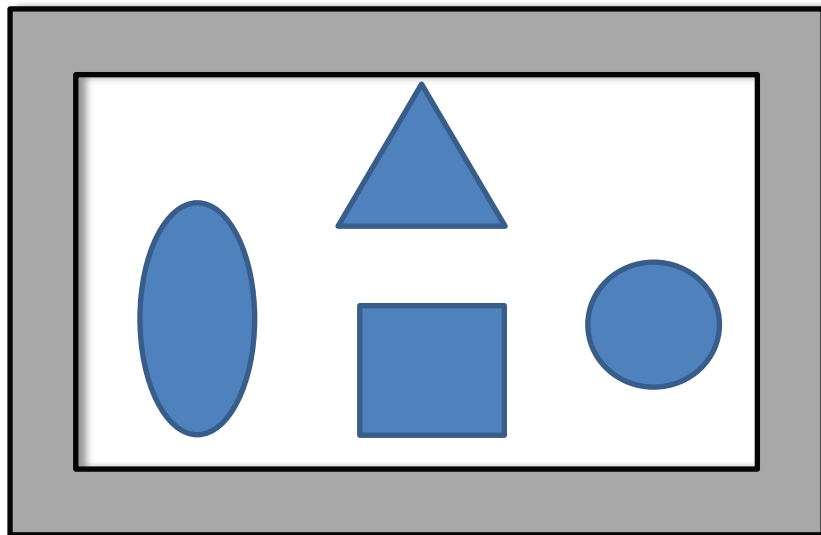


Junior Level

Working Memory Challenges

A practical manual with shape activities
for school-age students



David Newman

Speech – Language Pathologist



A Friendly Reminder

© David Newmonic Language Games 2012 - 2015

This game and all its contents are intellectual property.

No part of this publication may be stored in a retrieval system, transmitted or reproduced in any way, including but not limited to digital copying and printing without the prior agreement and written permission of the author.

However, I do give permission for class teachers or speech-language pathologists to print and copy individual worksheets for student use.

Working Memory Activity

Introduction

Working memory activities, which prompt students to listen to increasingly difficult questions, can have a positive effect in improving a child's ability to attend to complex oral language. The activities in this series of workbooks prompt children to move shapes within the confines of a box to a pre-set range of oral questions. This manual is *junior* level.

You will need...

- A photocopied sheet of the individual shapes
- A photocopied sheet of the shapes box
- A pair of scissors
- A laminator (optional)

Instructions

Cut out and laminate the individual shapes or glue on to card. Present the shapes and the box to the child and hold on to the instruction sheet.

Read the **directions** to the child in a clear voice and at a slow rate. Some children, depending on their abilities, may require the questions to be repeated. After each activity, show the child how their efforts matched with the example boxes. If a child has some difficulty with the *junior* level activities, redo the *junior* level and provide extra scaffolding for the child as needed before venturing on to the *junior 2* level.

Important: Ensure that your verbal instructions for each activity are completed *before* the student attempts to place the items in the box.

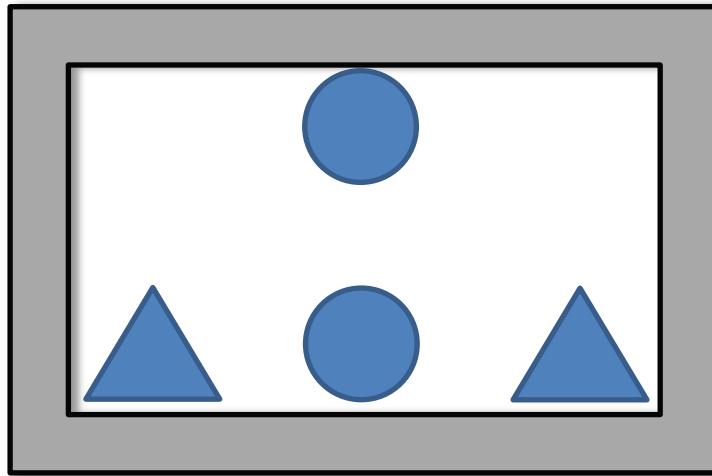
Score the child's progress on the record form, which can be found in the **appendix**.

Working Memory Activity

Instructions

Junior Level

Activity 1



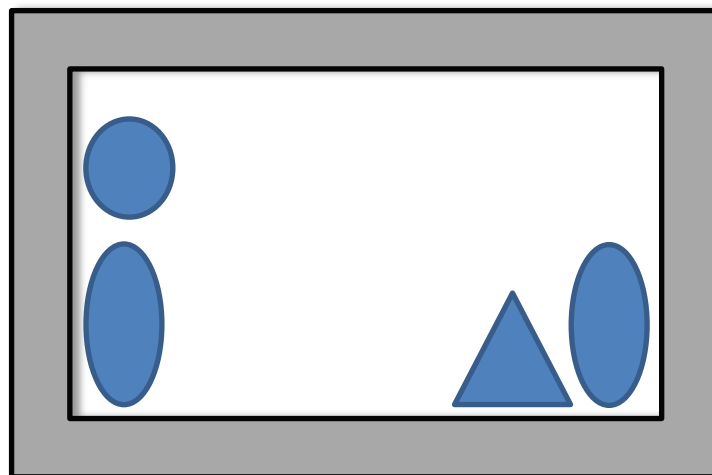
Directions

1. Select two circles and two triangles
2. Place one circle in the middle of the box on the bottom.
3. Place the other circle opposite the first circle at the top of the box.
4. Place the two triangles in opposite corners on the bottom of the box.

Instructions

Junior Level

Activity 2



Directions

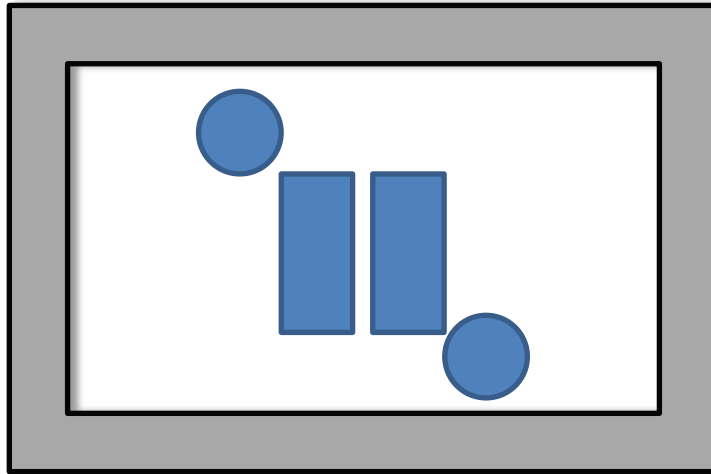
1. Select two ovals, a circle and a triangle.
2. Stand the two ovals on their ends in opposite corners on the bottom of the box.
3. Place the circle directly above the oval, which is in the bottom left corner.
4. Place the triangle beside the oval, which is in the bottom right corner of the box.

Working Memory Activity

Instructions

Junior level

Activity 3



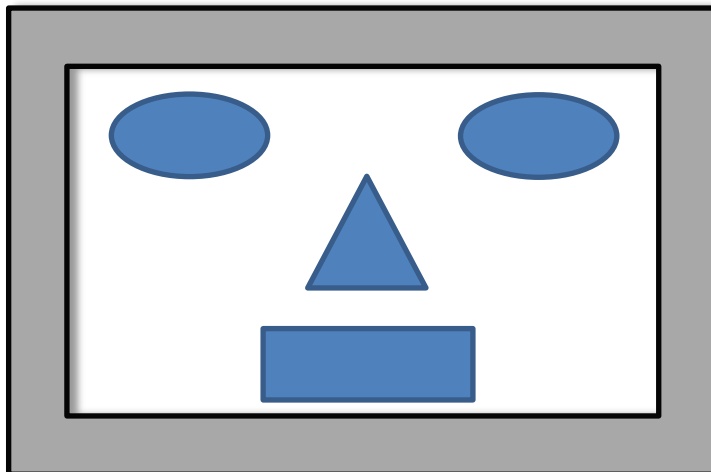
Directions

1. Select two rectangles and two circles.
2. Stand the rectangles on their ends beside each other in the middle of the box.
3. Place a circle above and to the left of the left hand rectangle.
4. Place a circle below and to the right of the right hand rectangle.

Instructions

Junior Level

Activity 4



Directions

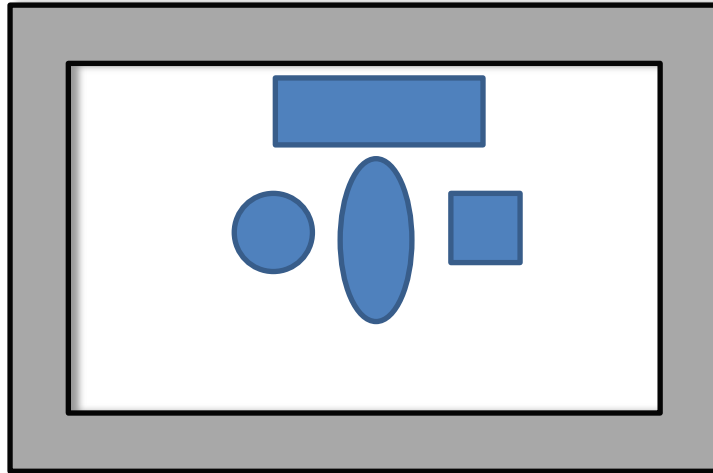
1. Select two ovals, a triangle and a rectangle.
2. Place the ovals on their sides in the top corners of the box, opposite each other.
3. Place the rectangle on its side on the bottom of the box, in the middle.
4. Place the triangle in the middle of the box.

Working Memory Activity

Instructions

Junior level

Activity 5



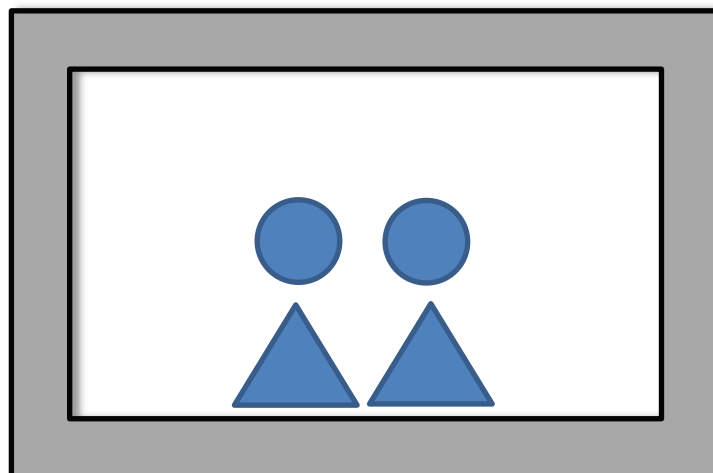
Directions

1. Select a square, an oval, a rectangle and a circle.
2. Place the rectangle on its side at the top of the box in the middle.
3. Stand the oval up on its end and place it directly beneath the rectangle in the middle.
4. Place the circle on the left side of the oval and the square on the right side of the oval.

Instructions

Junior Level

Activity 6



Directions

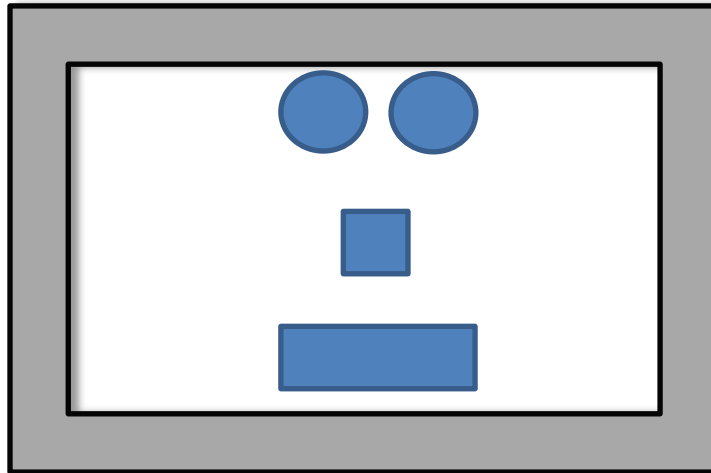
1. Select two triangles and two circles.
2. Place the two triangles side by side in the middle of the box on the bottom.
3. Place one circle just above the left side triangle near its tip.
4. Place the other circle opposite the first circle just above the right side triangle's tip.

Working Memory Activity

Instructions

Junior level

Activity 7



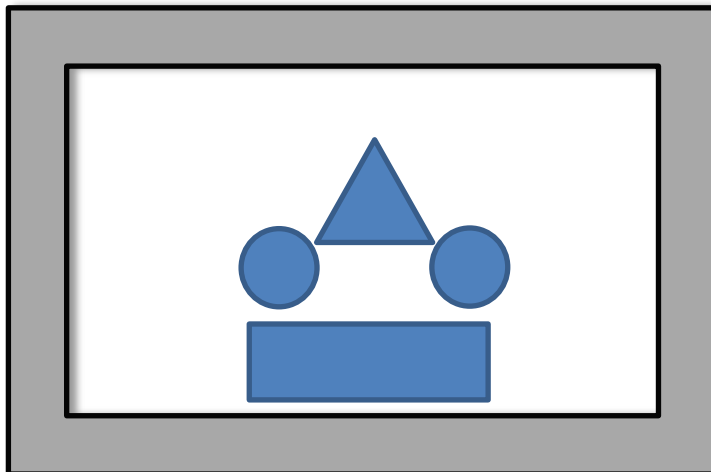
Directions

1. Select two circles, a rectangle and a square.
2. Place the rectangle on its side on the bottom of the box in the centre.
3. Place the two circles next to each other at the top of the box in the middle.
4. Place the square between the rectangle and the circles.

Instructions

Junior Level

Activity 8



Directions

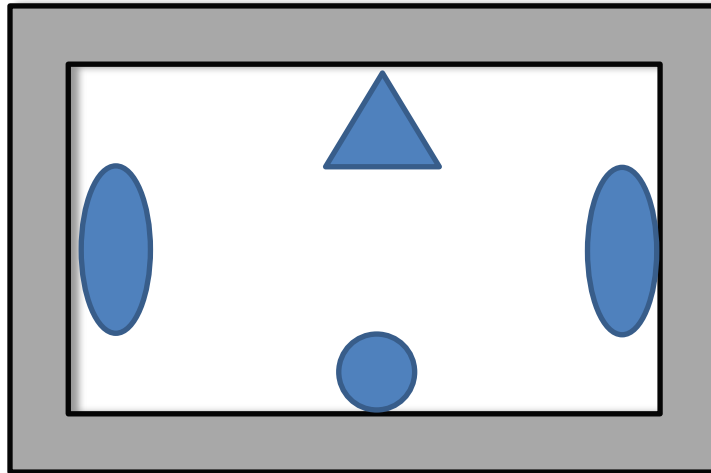
1. Select a rectangle, two circles, and a triangle.
2. Place the rectangle on its side at the bottom of the box in the centre.
3. Place the two circles directly above the rectangle at opposite ends of the rectangle.
4. Place the triangle so that it is between and a little above the two circles.

Working Memory Activity

Instructions

Junior level

Activity 9



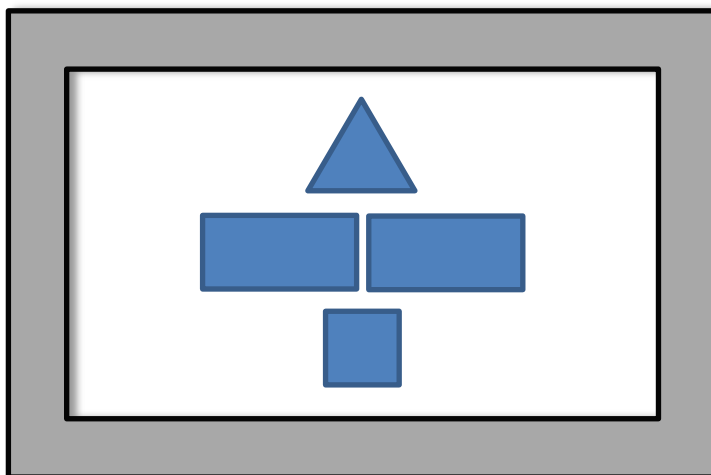
Directions

1. Select two ovals, a triangle and a circle.
2. Stand the two ovals on their ends half way up the wall on opposite walls to each other.
3. Place the circle in the middle of the box on the bottom.
4. Place the triangle at the top of the box, directly opposite the circle.

Instructions

Junior Level

Activity 10



Directions

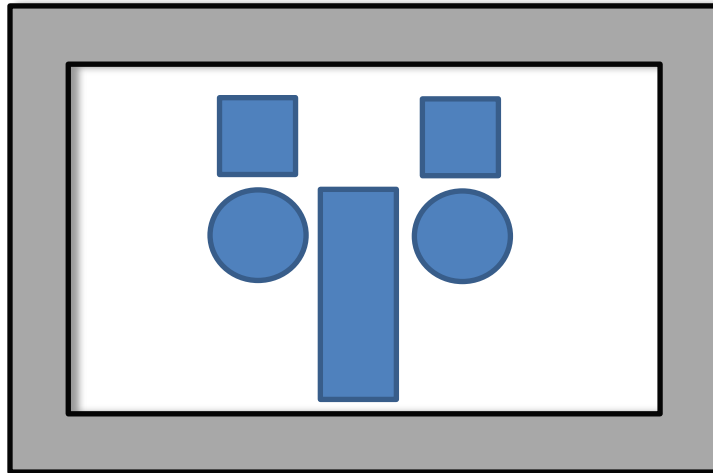
1. Select two rectangles, a square and a triangle.
2. Place the two rectangles on their sides and next to each other in the middle of the box.
3. Place the triangle directly above the join of the two rectangles which is in the centre of the box.
4. Place the square opposite the triangle and below the rectangles.

Working Memory Activity

Instructions

Junior 2 level

Activity 1



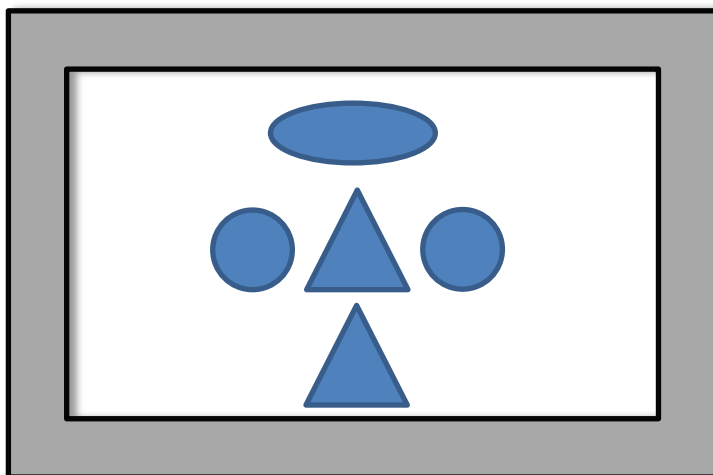
Directions

1. Select two squares, two circles and a rectangle.
2. Stand the rectangle on its end in the middle of the box on the bottom.
3. Place the two circles on either side and near to the top of the rectangle.
4. Place the two squares directly above the two circles.

Instructions

Junior 2 level

Activity 2



Directions

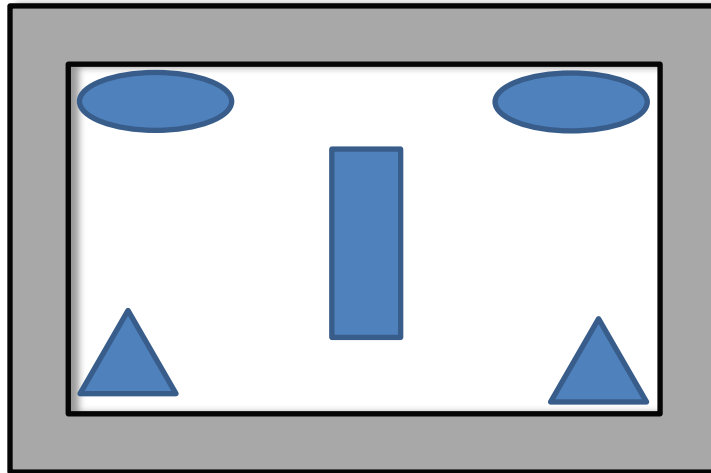
1. Select two triangles, two circles and an oval.
2. Place the two triangles one above the other in the centre of the box.
3. Place the oval on its side at the top of the box above the triangle.
4. Place the circles on opposite sides of the triangle that is directly beneath the oval.

Working Memory Activity

Instructions

Junior 2 level

Activity 3



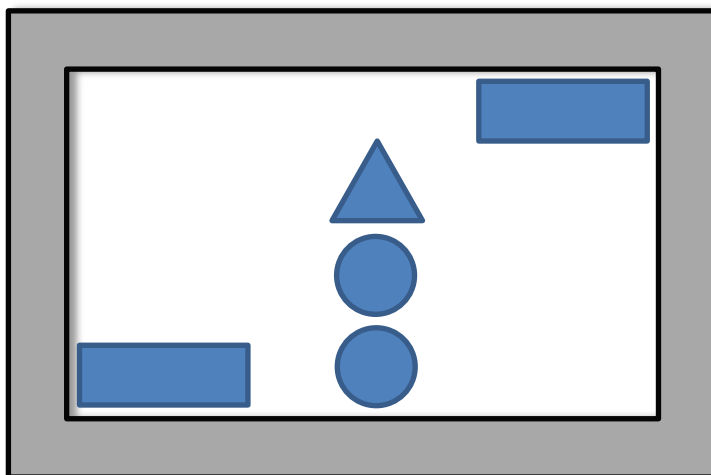
Directions

1. Select a rectangle, two ovals and two triangles.
2. Place the two ovals on their side at either end of the box at the top of the box.
3. Stand the rectangle on its end in the middle of the box.
4. Place the two triangles in the bottom corners of the box.

Instructions

Junior 2 Level

Activity 4



Directions

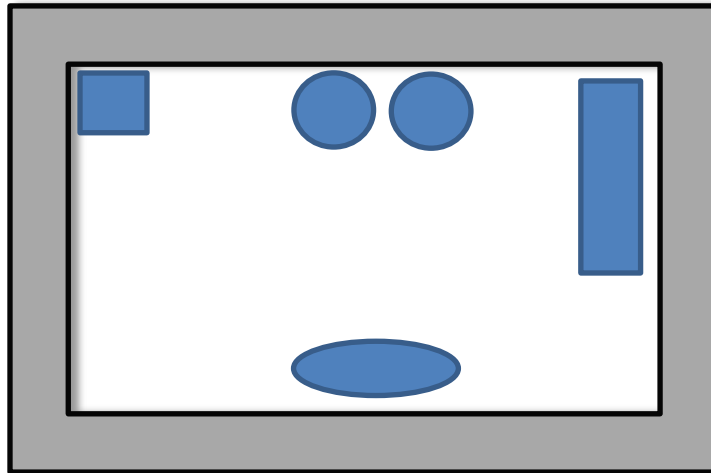
1. Select two circles, two rectangles and a triangle.
2. Place the rectangles on their sides in the bottom left corner and the top right corners.
3. Place a circle on the bottom of the box in the middle and the other directly circle above it.
4. Place the triangle on top of the two circles that are in the middle of the box.

Working Memory Activity

Instructions

Junior 2 level

Activity 5



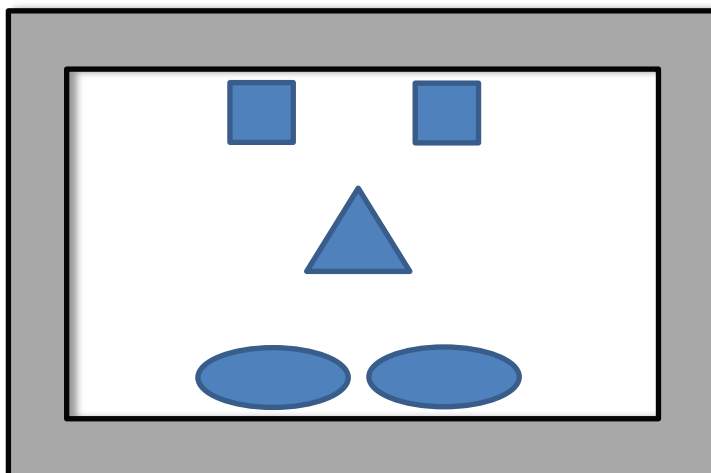
Directions

1. Select two circles, a rectangle, a square and an oval.
2. Place the two circles beside each other at the top of the box in the middle.
3. Stand the rectangle on its end in the top right corner and place the square in the top left corner.
4. Place the oval on its side opposite the two circles.

Instructions

Junior 2 Level

Activity 6



Directions

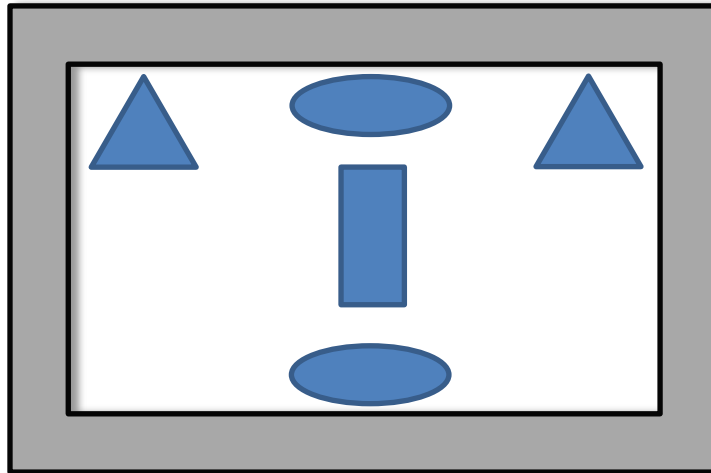
1. Select two ovals, two squares and a triangle.
2. Place the two ovals on the sides next to each other at the bottom of the box.
3. Place the two squares directly opposite the ovals at the top of the box.
4. Place the triangle in the middle of the box between the ovals and the squares.

Working Memory Activity

Instructions

Junior 2 level

Activity 7



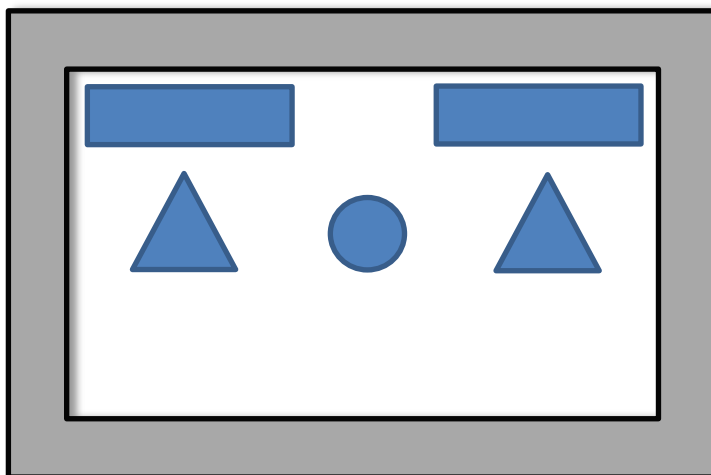
Directions

1. Select two triangles, two ovals and a rectangle.
2. Place the triangles on opposite ends of the box at the top.
3. Place an oval on its side between the triangles and place an oval opposite the first oval.
4. Stand the rectangle between the two ovals.

Instructions

Junior 2 Level

Activity 8



Directions

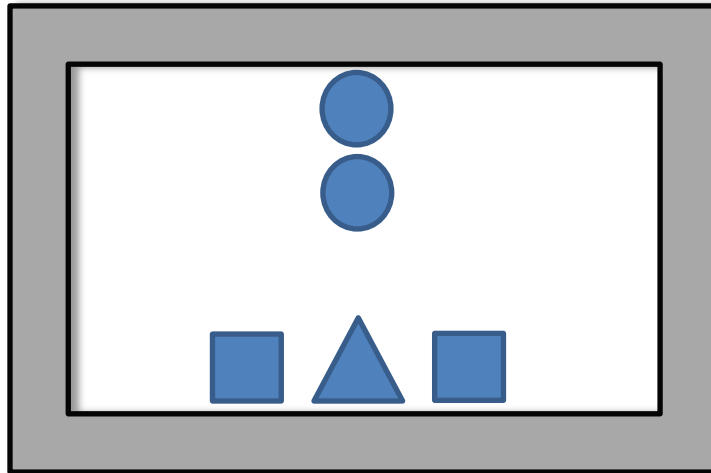
1. Select two rectangles, two triangles and a circle.
2. Place the two rectangles on their sides opposite each other at the top of the box.
3. Place the two triangles directly beneath each rectangle.
4. Place the circle between the two triangles.

Working Memory Activity

Instructions

Junior 2 level

Activity 9



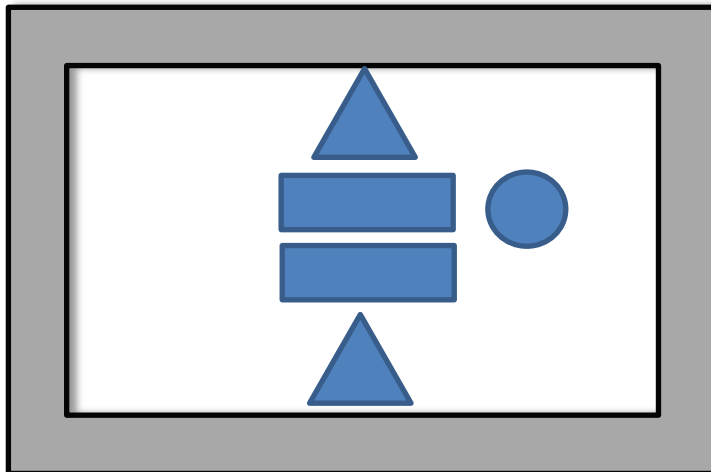
Directions

1. Select two squares, two circles and a triangle.
2. Place the triangle in the centre of the box on the bottom.
3. Place the two squares on either side of the triangle.
4. Place the first circle opposite the triangle at the top of the box and the second circle directly below the first circle.

Instructions

Junior 2 Level

Activity 10



Directions

1. Select two rectangles, two triangles and a circle.
2. Place the first triangle at the bottom of the box in the centre and the other circle opposite it at the top of the box.
3. Place the two rectangles on their sides and position them between the two triangles.
4. Place the circle next to and to the right of the top rectangle.

Appendix

Working Memory Record Sheet

Record Sheet

Tick \checkmark for correct and \times for incorrect

Junior Level

1. Activity _ _ _ _

6. Activity _ _ _ _

2. Activity _ _ _ _

7. Activity _ _ _ _

3. Activity _ _ _ _

8. Activity _ _ _ _

4. Activity _ _ _ _

9. Activity _ _ _ _

5. Activity _ _ _ _

10. Activity _ _ _ _

Working Memory Record Sheet

Record Sheet

Tick \checkmark for correct and \times for incorrect

Junior 2 Level

1. Activity _ _ _ _

6. Activity _ _ _ _

2. Activity _ _ _ _

7. Activity _ _ _ _

3. Activity _ _ _ _

8. Activity _ _ _ _

4. Activity _ _ _ _

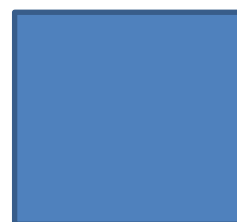
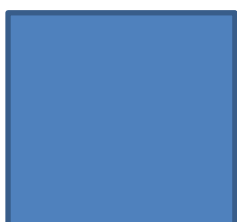
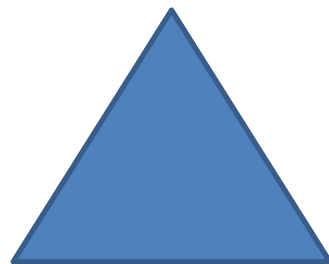
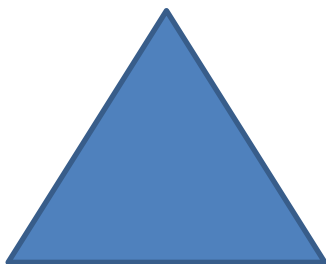
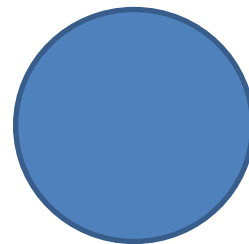
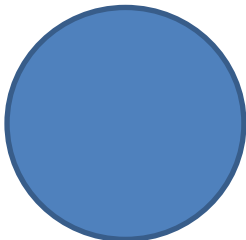
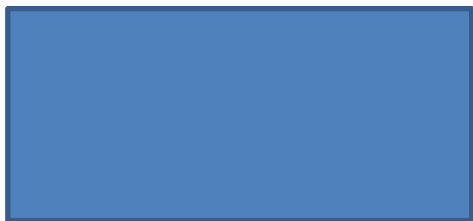
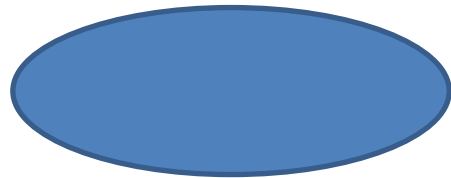
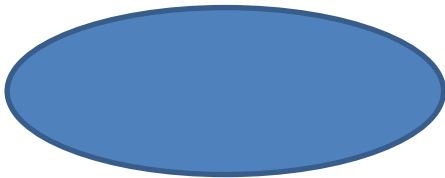
9. Activity _ _ _ _

5. Activity _ _ _ _

10. Activity _ _ _ _

Working Memory Shapes

Cut out the shapes before beginning any of the activities. It's recommended that the individual shapes be laminated for extra durability. It is also helpful to glue a small piece of cardboard beneath each shape to make them easier to grasp.



Working Memory Shapes Box

L



R