

Activity Cards

for Colomat – Giant Math Manipulative Translucent Kit

10 Cards
Double-sided

20 activities



Activity Cards

The activity cards are provided as a companion to the manipulative materials. They were designed to allow children to complete the various exercises on their own, using their material, which promotes independence.

The Math Manipulative Translucent Kit contains:

- 6 bowls (in 6 different colours)
- 6 pairs of tweezers (in 6 different colours)
- 6 sorting mats (in 6 different designs)
- numbers 0 to 9
- insects (4 insects in 6 different colours)
- links (in 6 different colours)
- stackable counters (in 6 different colours)
- bears (4 sizes in 6 different colours)
- gems (in 6 different colours)
- 10 double-sided activity cards

All materials can be used on a light table.

Recommended age: 4 to 6

The materials and activity cards are designed for preschoolers, helping them explore different concepts from the Québec Preschool Cycle Program.

Skills Developed and Concepts Explored

The activity cards are designed to develop the following skills:

- fine motor skills and dexterity
- observation
- visual discrimination
- spatial awareness
- logical thinking
- matching
- counting
- language
- number representation

Depending on the theme, the activity cards explore the following concepts:

- shapes
- colours
- sizes
- numbers
- quantities
- Venn diagrams
- logical sequences
- sorting
- orientation (next to, on, etc.)

Using the Activity Cards

- Activity cards are selected based on the materials used, the concepts explored or the child's interests.
- Each activity card features the materials required, the instructions and the concepts explored.
- The materials and instructions can be adapted to the child's needs and abilities by simplifying or complexifying the activity, or by modifying the materials, for example.
- Once the instructions have been explained and fully understood, the child can begin to work with the activity card on their own.

Suggested Additional Activities

- Completing the same activity using more objects.
- Completing the same activity using objects other than those required (e.g. replacing gems with bears).
- Counting the number of objects used, if not required in the instructions, and writing down this number.
- Adding and subtracting using the manipulative materials.
- Placing the bears in ascending or descending order of size.
- Inventing an activity using materials chosen by the teaching team.
- Inventing an activity using materials chosen by the child.
- Creating a logical sequence or having the child create one.
- Manipulating objects without using the tweezers, when working with young children or with children with motor dyspraxia.
- Manipulating the tweezers or objects while wearing gloves or mittens.



Sorting Bears

Materials Required

- Bears
- Bowls
- Tweezers



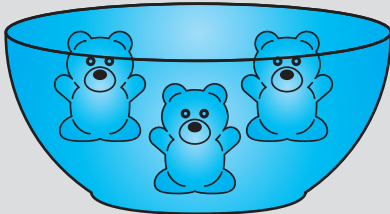
Instructions

Using the tweezers, place the bears in the same-colour bowl.

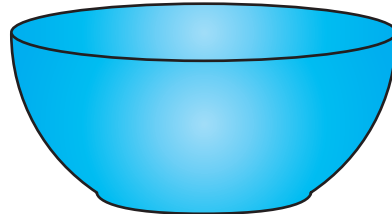
Concepts Explored

- Colours
- Sorting

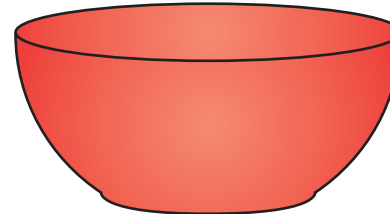
Example



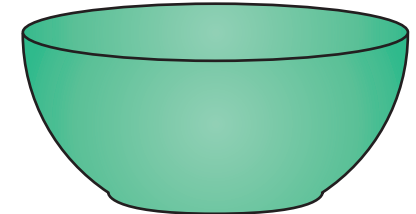
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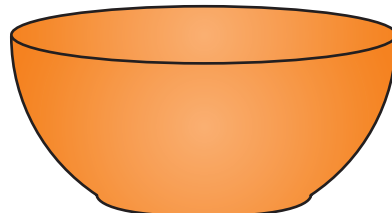
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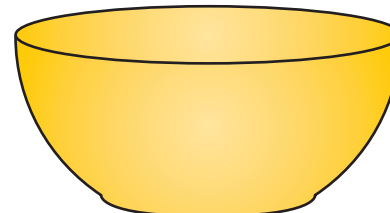
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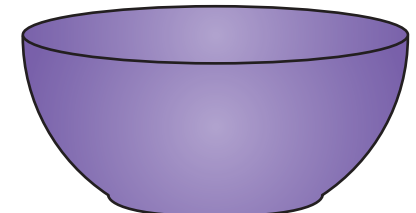
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5



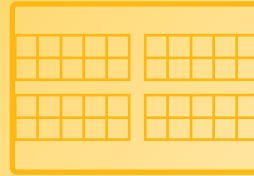
6



Bear Families

Materials Required

- Bears
- Yellow mat



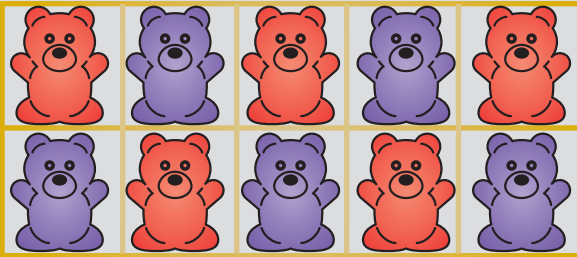
Instructions

Complete the bear sequences.

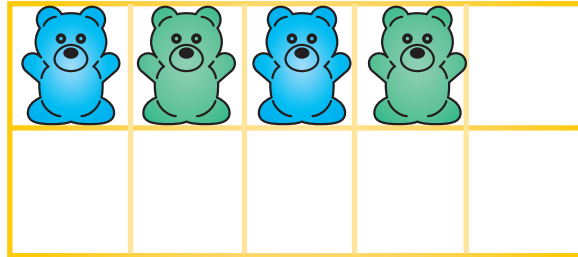
Concepts Explored

- Colours
- Sizes
- Logical sequences

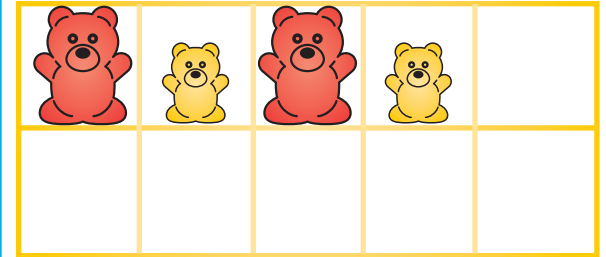
Example



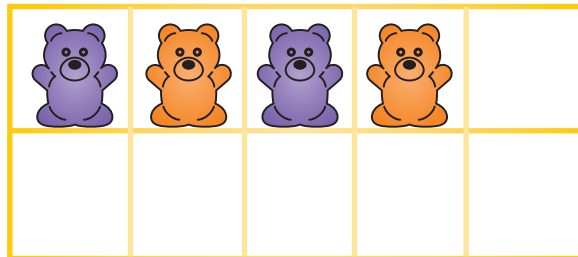
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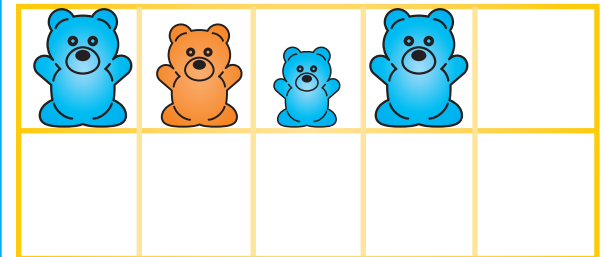
2



3



4



Bug Feast

Materials Required

- Insects
- Bowls
- Tweezers



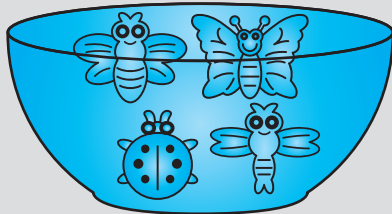
Instructions

Using the tweezers, place the insects in the same-colour bowl.

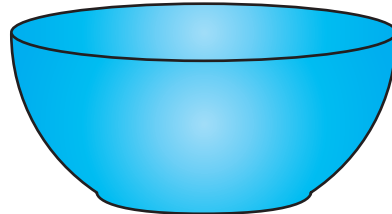
Concepts Explored

- Colours
- Sorting

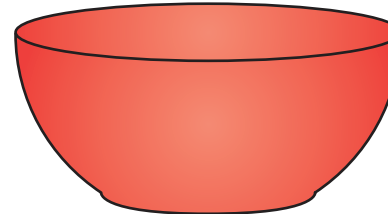
Example



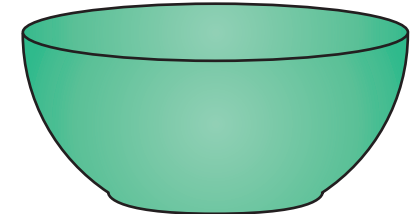
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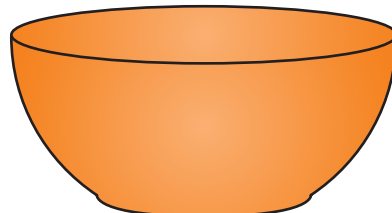
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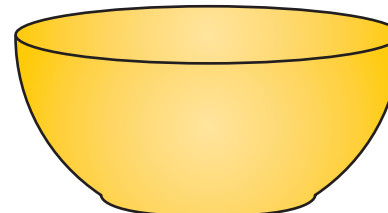
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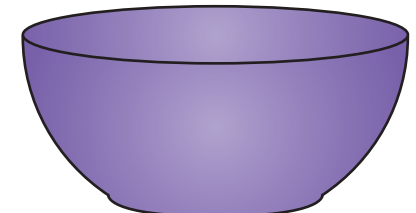
4



5



6



Insect Family

Materials Required

- Insects
- Bowls
- Tweezers



Instructions

Fill the bowls according to the instructions provided in each space.

Concepts Explored

- Colours
- Quantities
- Sorting

Example

1

2

3

4

5

6

7

8

9

10

Counting Gems 1

Materials Required

- Gems
- Pink mat
- Numbers
- Tweezers



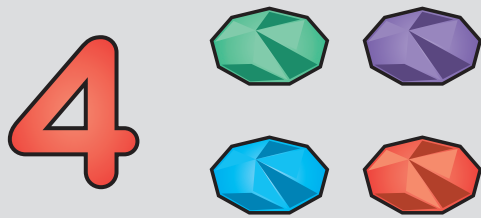
Instructions

Pick a number and place it in a box on the mat. Represent that number using the gems.

Concepts Explored

- Counting

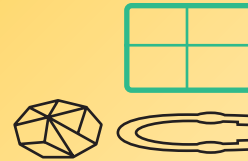
Example



Counting Gems 2

Materials Required

- Gems
- Green mat
- Tweezers



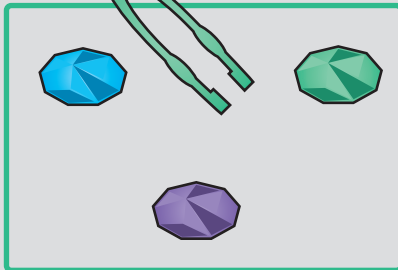
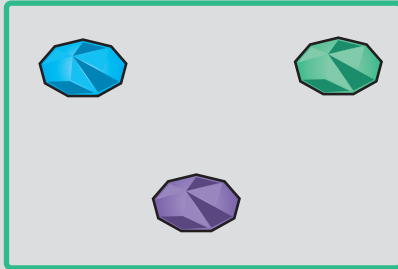
Instructions

Place gems onto the green mat, to match each illustration.

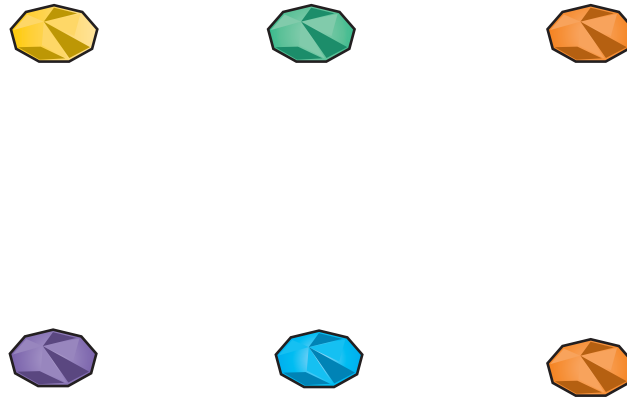
Concepts Explored

- Colours
- Orientation

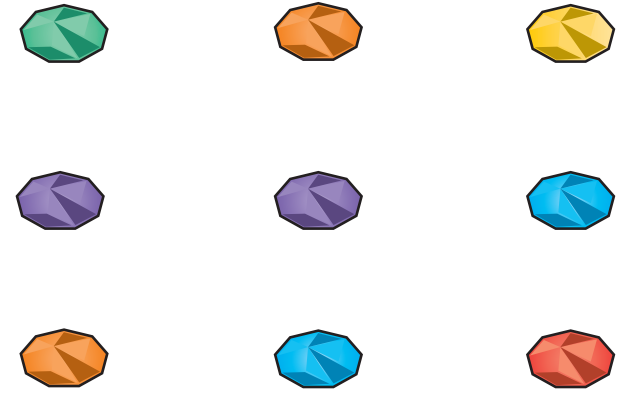
Example



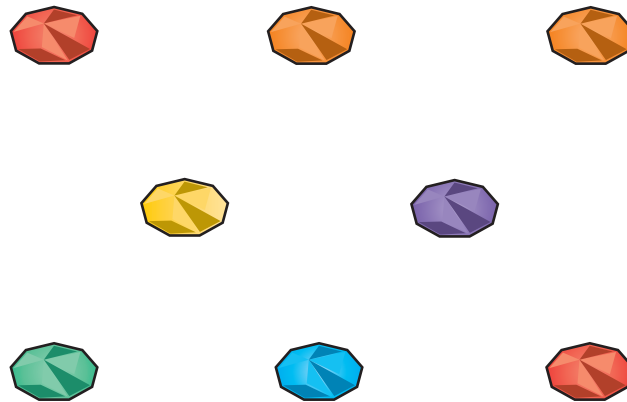
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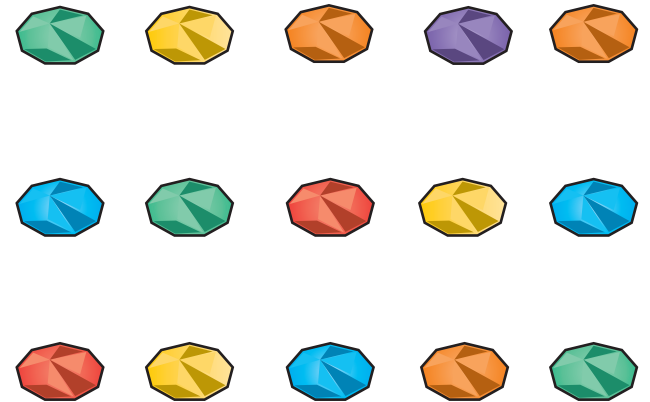
2



3



4



Link Sequences 1

Materials Required

- Links



Instructions

Complete the link sequences pictured below.

Concepts Explored

- Colours
- Logical sequences
- Orientation

1



2



3



4



5



Link Sequences 2

Materials Required

- Links



Instructions

Reproduce the link sequences pictured below.

Concepts Explored

- Colours
- Orientation

1



2



3



4



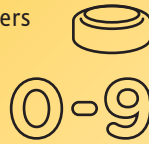
5



Counter Towers

Materials Required

- Stackable counters
- Numbers



Instructions

Build towers following the instructions provided in each space.

Concepts Explored

- Colours
- Numbers
- Quantities
- Orientation

Example

4



4



1

8



2

5



3

9



4

7



5

10



6

5



9



7

6



2



8

8



4



9

3



7



10

9



1



11

4



6



8



12

2



5



9



13

3



6



7



14

1



7



3



15

9



4



3



Rainbow Counters

Materials Required

- Stackable counters



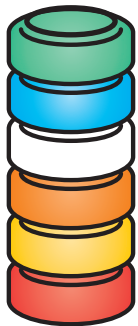
Instructions

Reproduce the towers using stackable counters.

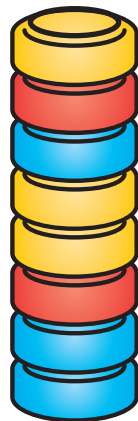
Concepts Explored

- Colours
- Quantities
- Orientation

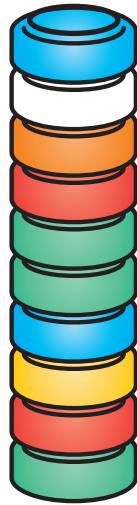
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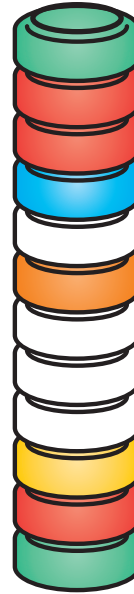
2



3



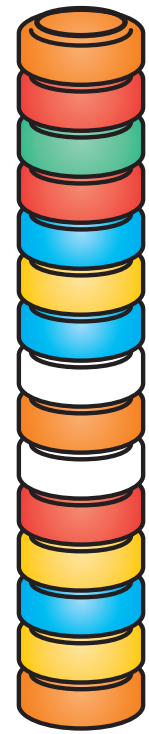
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5



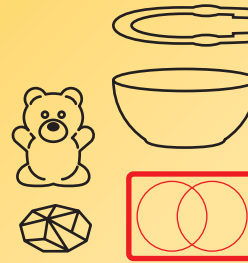
6



Find the Similarity 1

Materials Required

- Bears
- Gems
- Red mat
- Bowl
- Tweezers



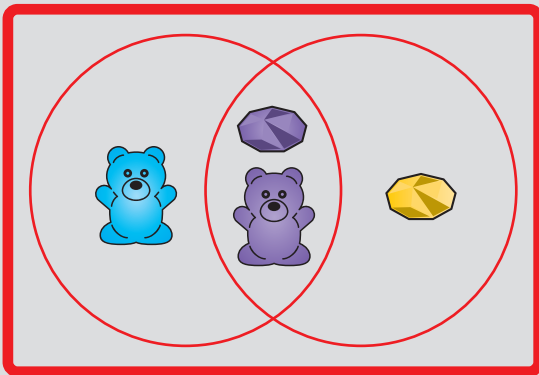
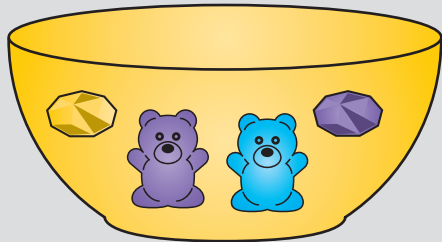
Instructions

Place the bears and the gems in the correct spaces on the diagram. You must find what the two types of objects in each bowl have in common.

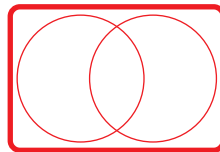
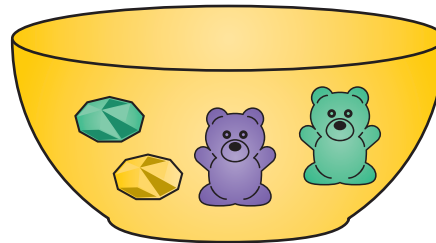
Concepts Explored

- Colours
- Quantities
- Venn diagrams
- Orientation

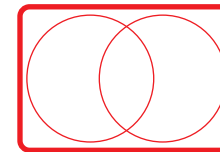
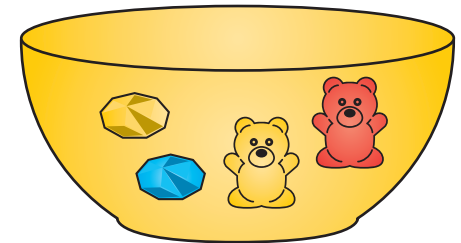
Example



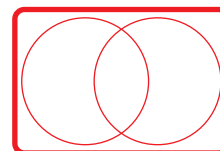
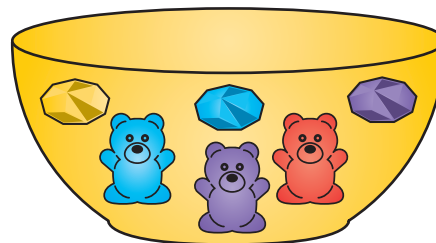
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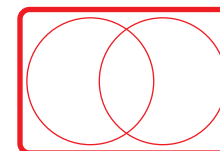
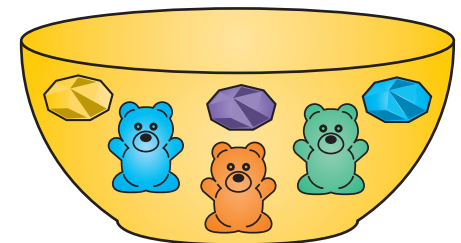
2



3



4



Find the Similarity 2

Materials Required

- Stackable counters
- Links
- Red mat
- Bowl
- Tweezers



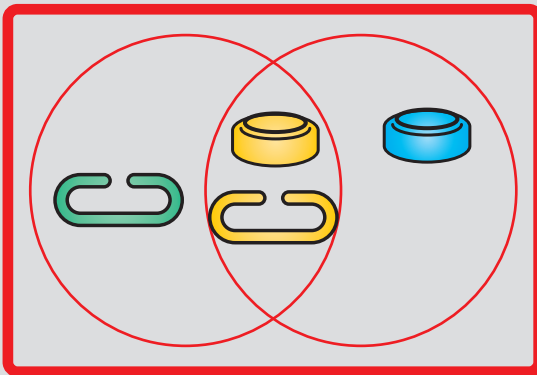
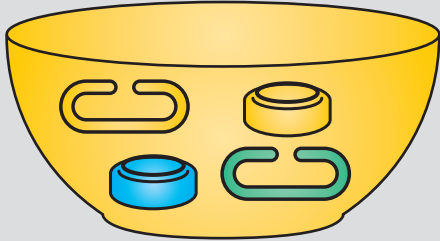
Instructions

Place the stackable counters and the links in the correct spaces on the diagram. You must find what the two types of objects in each bowl have in common.

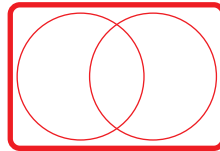
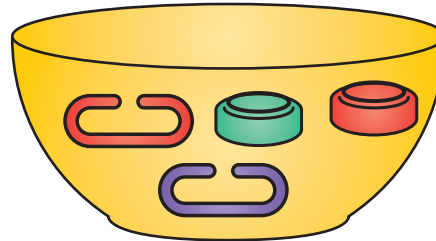
Concepts Explored

- Colours
- Quantities
- Venn diagrams
- Orientation

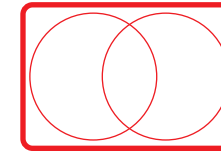
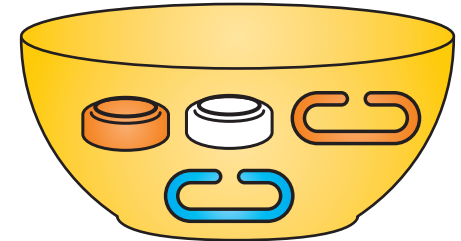
Example



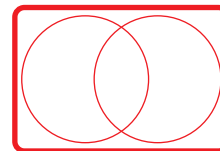
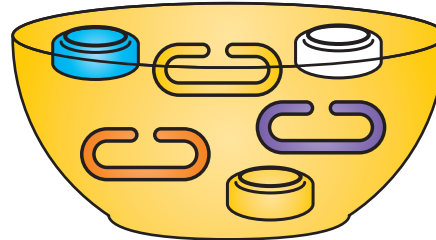
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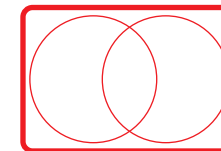
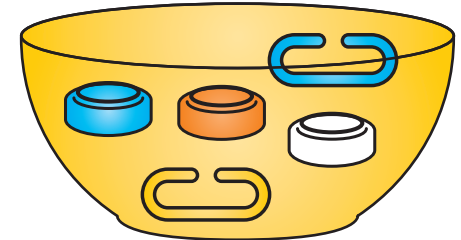
2



3



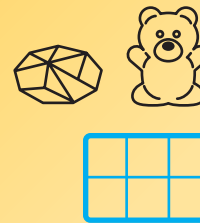
4



To Each Their Gem!

Materials Required

- Gems
- Bears
- Blue mat



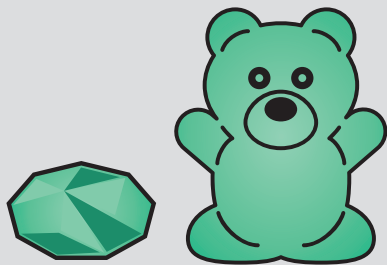
Instructions

First, place a gem on the same-colour gem pictured in each space. Then, place a bear next to the same-colour gem.

Concepts Explored

- Colours
- Orientation

Example



1



2



3



4



5



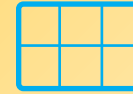
6



To Each Their Colour!

Materials Required

- Stackable counters
- Links
- Blue mat



Instructions

First, place a stackable counter on the same-colour counter pictured in each space. Then, place a link next to the same-colour counter.

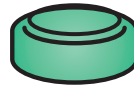
Concepts Explored

- Colours
- Orientation

Example



1



2



3



4



5



6



Bears and Insects

Materials Required

- Bears
- Insects
- Bowls
- Tweezers



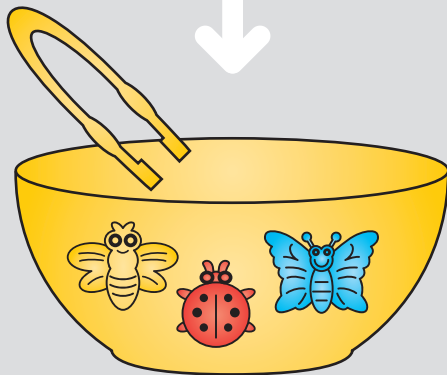
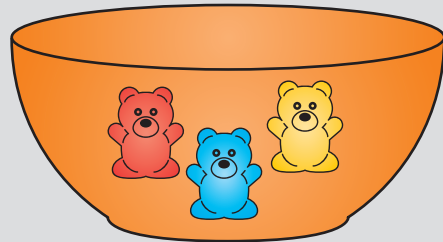
Instructions

Count the bears in each bowl. Place the same number of insects in the empty bowl.

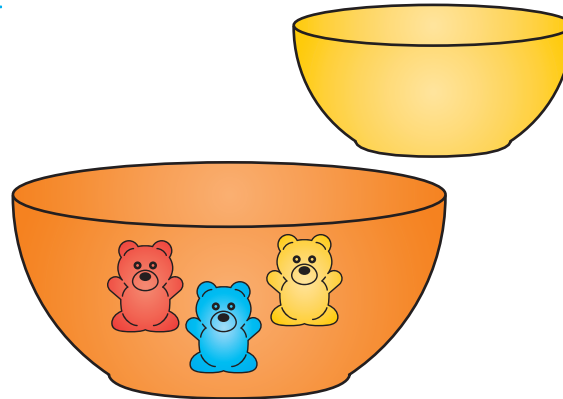
Concepts Explored

- Quantities (as much as)
- Sorting

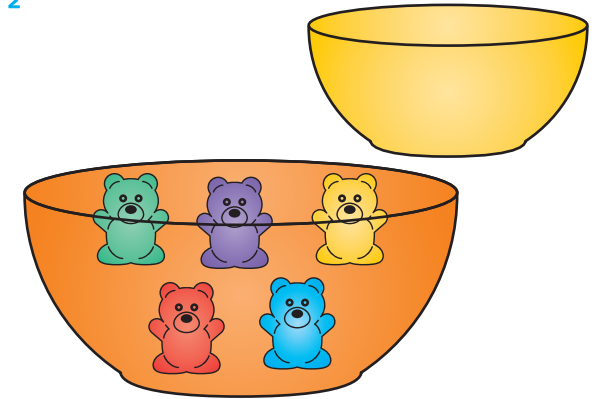
Example



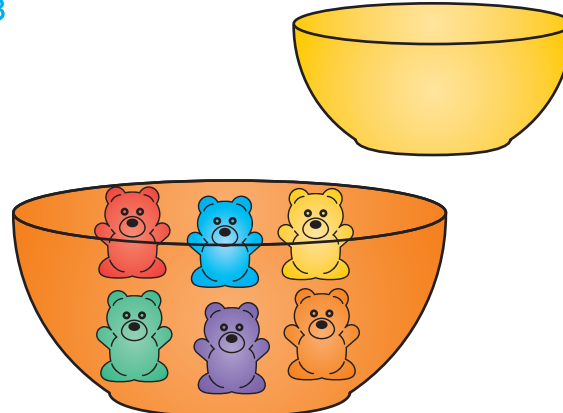
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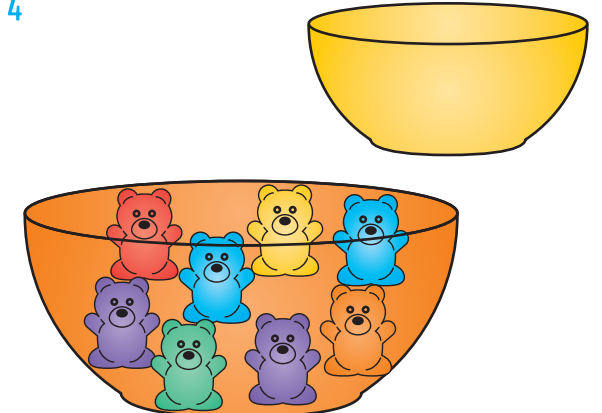
2



3



4



Bears and Gems

Materials Required

- Bears
- Gems
- Bowls
- Tweezers



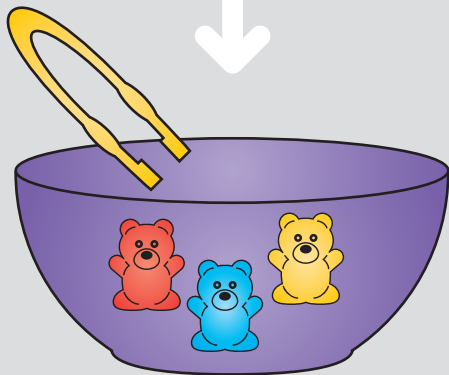
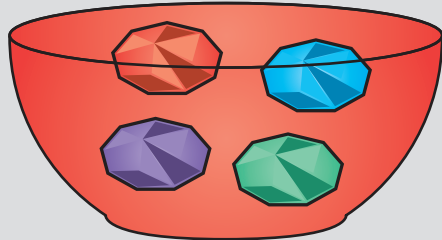
Instructions

Count the gems in each bowl. Place fewer (less) bears in the empty bowl.

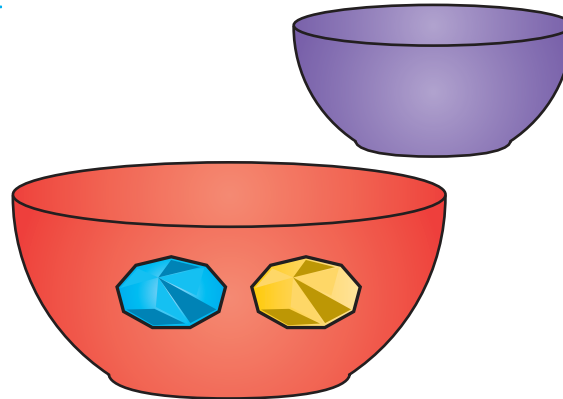
Concepts Explored

- Quantities (less than)
- Sorting

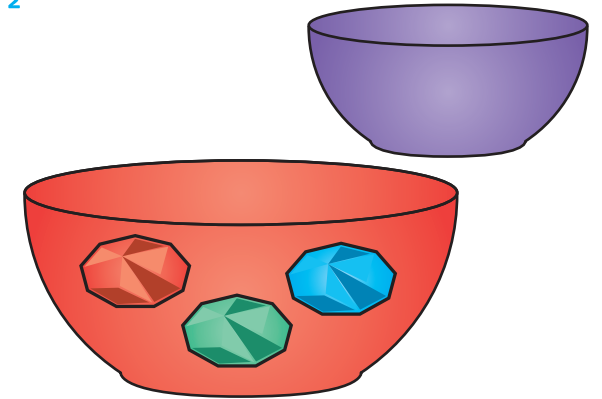
Example



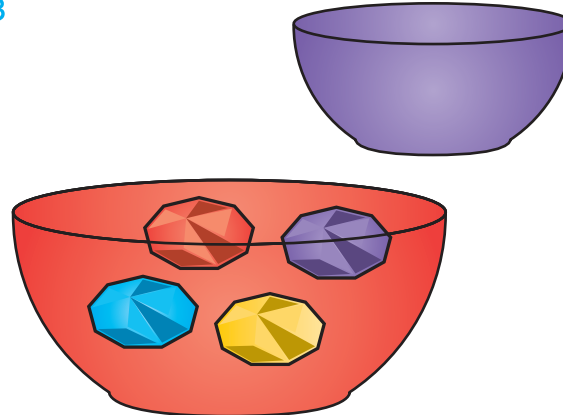
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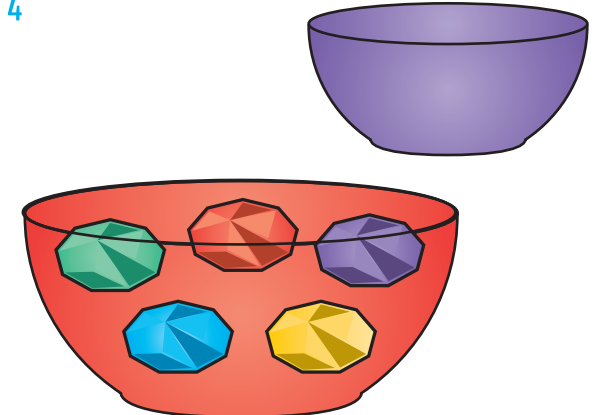
2



3



4



Bears

Materials Required

- Bears
- Purple mat
- Tweezers



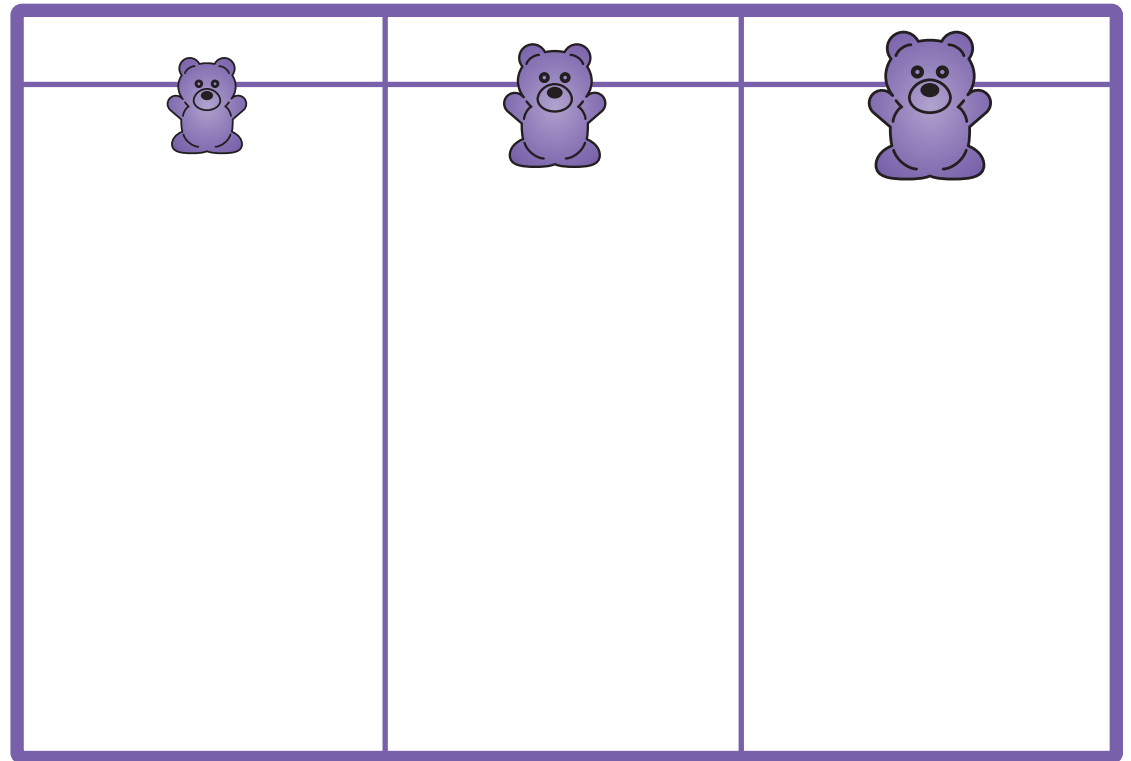
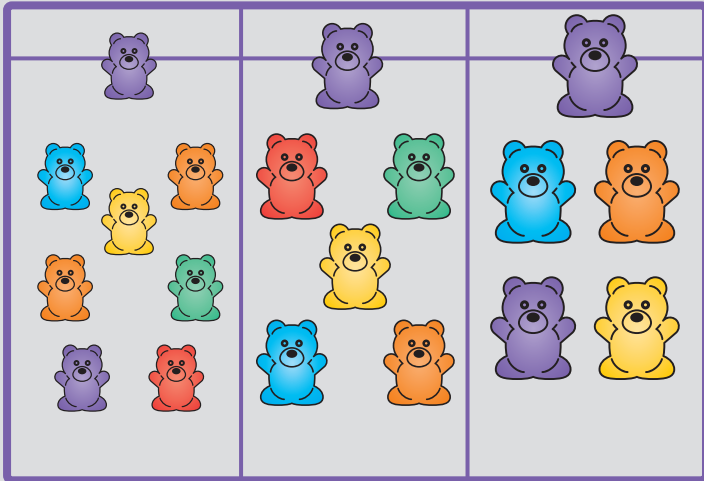
Instructions

Sort the bears in the right spaces on the purple mat, according to their size.

Concepts Explored

- Sizes
- Sorting

Example



Bear Pens

Materials Required

- Links
- Bears
- Numbers



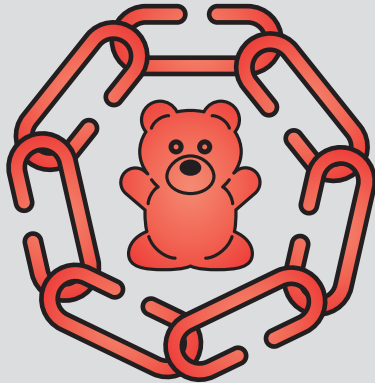
Instructions

Build pens for the bears. Each pen must be the same colour as the bear. Count the number of links you need for each pen. Then, place the matching number near the pen.

Concepts Explored

- Colours
- Numbers
- Quantities
- Orientation

Example



7

1



2



3



4



5



6



Insect Meals

Materials Required

- Gems
- Insects
- Numbers
- Bowls
- Tweezers



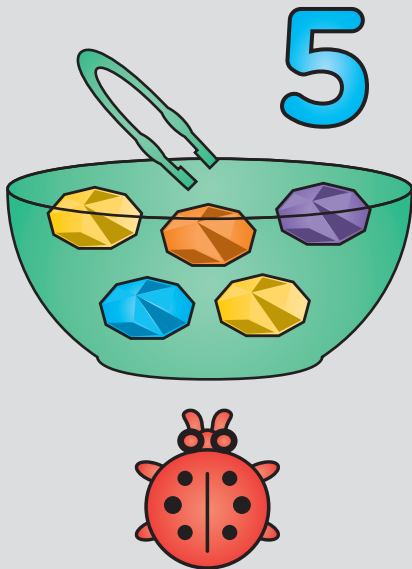
Instructions

Feed the gems to the insects. Pick a number to find out how many gems you will give to each insect. Use the tweezers to place the gems in a bowl.

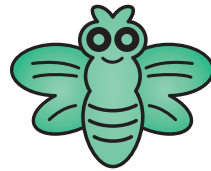
Concepts Explored

- Numbers
- Quantities

Example



1



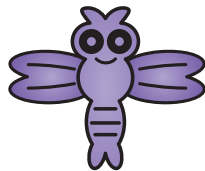
2



3



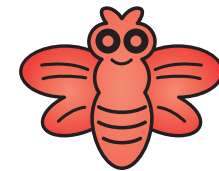
4



5



6



Missing Counters

Materials Required

- Stackable counters 

Instructions

Look at the number.
That is the number of
counters you should have.
Now, count the number
of stacked counters and
add the missing counter
or counters, to achieve the
required number.

Concepts Explored

- Quantities
- Orientation

Example

4



1

3



2

5



3

6



4

7



5

8



6

9

