

Year 3 Data Handling Maths Toolkit Activities

Activity 1 – Sorting Shopping

Activity Approach

- Whole class approach

Resources

- Activity Sheet 3.1
- Empty food packets brought from home
- 3 hula hoops
- 3 headings: Tins, Packets, Boxes

Instructions

1. Take out the food packets brought from home.
2. Teacher and pupil analyse the packets brought from home and through discussion students should point out that the packets can be grouped into 3 groups: Tins, Packets and Boxes.
3. Teacher places three hula hoops on the floor with the appropriate heading.
4. Pupils take turn to place their object in the appropriate group.
5. Pupils can then complete Activity Sheet 3.1.

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Activity 2 – Sorting coins

Activity Approach

- Groups of 4

Resources

- Activity Sheet 3.2a
- Activity Sheet 3.2b which can be printed on an A4 sticker sheet
- Coins

Instructions

1. Each group gets a bag with different coins ranging from 1c to € 2.
2. Each group is assigned a different type of sorting. By the end of the session, each group should do all the different sorting.
3. Sorting can be:
 - by colour: copper, gold or other colour,
 - sorting by value: coins less than 20c/50c, coins greater than or equal to 20c/50c,
 - sorting by size: coins that have their size less than that of a 50c, coins that have their size greater than or equal to 50c.
4. After sorting the money coins, they use Activity Sheet 3.2b to cut and stick on Activity Sheet 3.2a the coins corresponding to the correct group.

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Activity 3 – Block graph

Activity Approach

- Groups of 4

Resources

- Activity Sheet 3.3
- Dice

Instructions

1. Teacher gives Activity Sheet 3.3 to each group.
2. A pupil from each group rolls a dice and colours a matching block on the graph on Activity Sheet 3.3.
3. Pupils take turns and repeat Step 2 until the block graph is complete.
4. Each group discuss his block graph with the whole class.
5. This activity can be extended to investigate:
 - the number of odd and even outcomes,
 - outcomes that are larger than a specific number etc.

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Activity 4 – Sorting Animals

Activity Approach

- Groups of 4

Resources

- Activity Sheet 3.4
- A3 papers for each group
- Scissors and glue

Instructions

1. Teacher shows Activity Sheet 3.4 on IWB.
2. Teacher discuss with students how can they group these animals. Through prompting and discussion, pupils can point out that these animals can be grouped according to
 - size: large or small,
 - weight: heavy or light,
 - wild or farm animals,
 - 2 legged or 4 legged,
 - fur or no fur (feathers).
3. Teacher assigns a type of classification to each group.
4. Each group will have an A3 paper and they can draw two sets on it. They will write the headings and each of them can take turns to cut and stick a picture under the correct heading.
5. Pupils discuss their work with the whole class.

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Activity 5 – Interpreting a pictograph

Activity Approach

- Individual work

Resources

- Activity sheet 3.5

Instructions

1. Teacher gives Activity Sheet 3.5 to pupils.
2. Through prompting, students analyse and interpret the pictograph and fill in Activity Sheet 3.5.