## Challenge Exercise

Shapes

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| **Tasks:** | | **Completed:** |
|  | Before starting this exercise you MUST have completed all of the topics in the chapter Shapes… |  |
|  | Open the presentation ***PE\_Shapes.pptx*** (it can be found in the same folder as the student files) | ⬜ |
|  | Use the ***Shapes*** gallery to create the *Mechanical sorting* illustration as shown in sample *A* on the following page. Use the eyedropper to fill the circles with the slide background colour to make them appear as holes, then use the alignment tools to arrange and distribute them evenly. Group each row of circles | ⬜ |
|  | Use the ***Shapes*** gallery to create the *Manual sorting* illustration as shown in sample *A*. You can use any shapes you want, but the bottles shown were drawn using: *Rounded rectangle*, *Snip same side corner rectangle* and *Trapezoid* (rotated). Use the eye dropper to make the shape outlines (except for the top) the same colour as the shape fill. Use the alignment tools to position the individual shapes, then merge the three shapes to make a single bottle. Duplicate one bottle to make five bottles, then use the smart guides to align the bases. Horizontally distribute the five bottles | ⬜ |
|  | Use the ***Shapes*** gallery to re-create the *Decontamination* illustration as shown in sample *A*. Edit the points of your shapes to achieve the correct arc. Group the lines | ⬜ |
|  | Use the ***Shapes*** gallery to re-create the *Washing* illustration as shown in sample *A*. Adjust the fill colours and arrange the drops to overlap as shown | ⬜ |
|  | Use a trapezoid shape to create the *Grinding* illustration as shown in sample *A*. Duplicate, rotate, position and merge the shapes to create one wheel, then duplicate, resize, recolour and rotate the wheel to make 2 more. Reposition and rearrange the shapes to complete the image | ⬜ |
|  | Use the ***Shapes*** gallery to create the *PET* and *HDPE* illustrations. Duplicate, align and distribute the circles to create the pyramid group | ⬜ |
|  | Use the *Block Arrow* shapes to add arrows to the diagram as shown in sample *A*. Use the edit handles to achieve the required result. Apply ***Aqua, Accent 5*** to the fill | ⬜ |
|  | Use the ***Save As*** command to save the presentation as ***PE\_Shapes (Completed).pptx*** | ⬜ |

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| **Files required for exercise:** | *PE\_Shapes.pptx* |
| **Files/work created by student:** | *PE\_Shapes (Completed).pptx* |
| **Exercise Completed:** | ⬜ |

## Challenge Exercise Sample

Shapes

**A**

