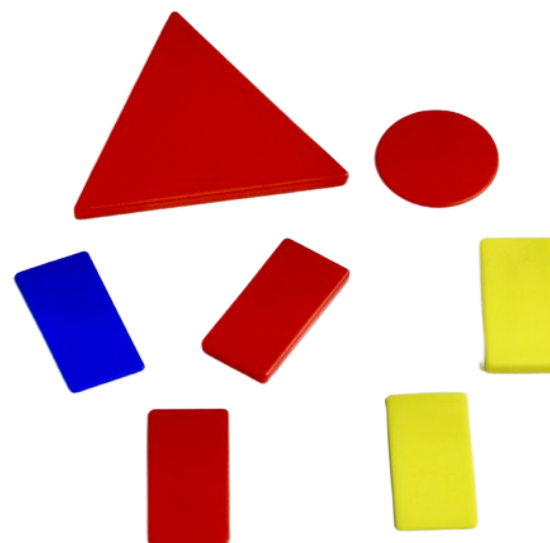
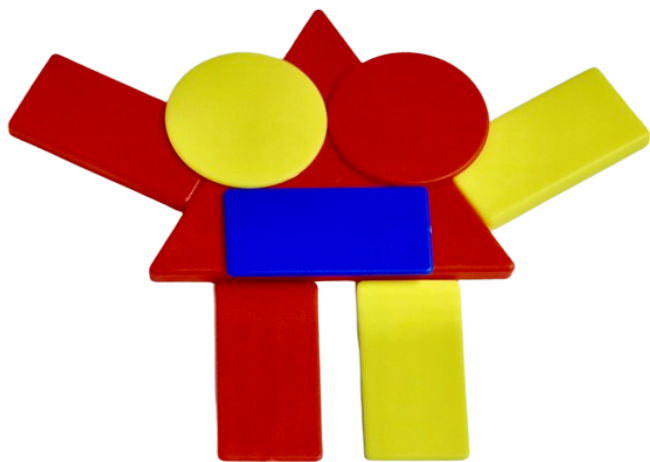


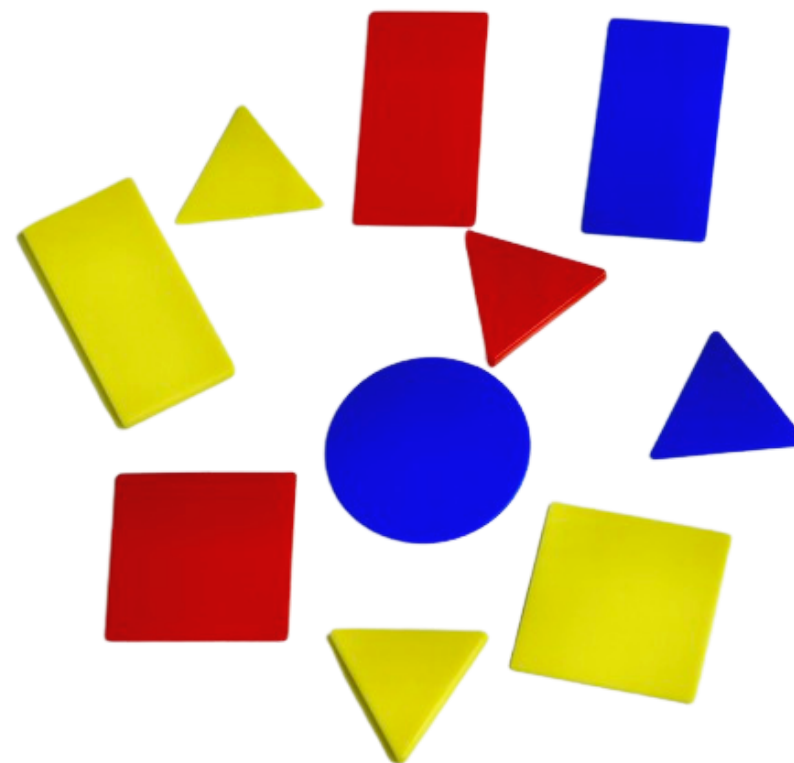
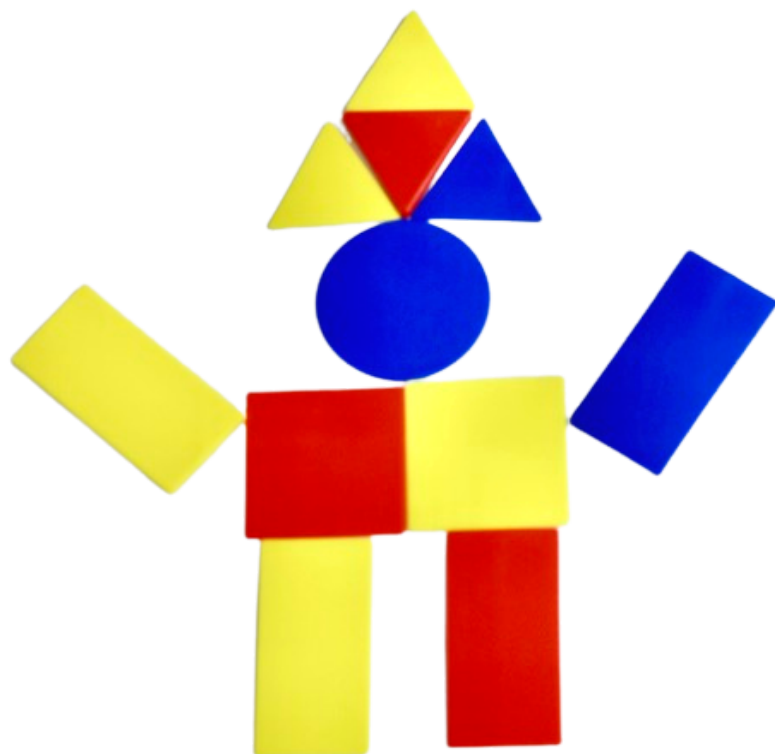
# Shape Monsters

- We have been busy building shape monsters made up of smaller shapes.
- Look carefully at the shape monsters.
- Each one has at least one piece missing.
- Can you tell which shapes are missing? How do you know?



*What assessment opportunities does this task present?*

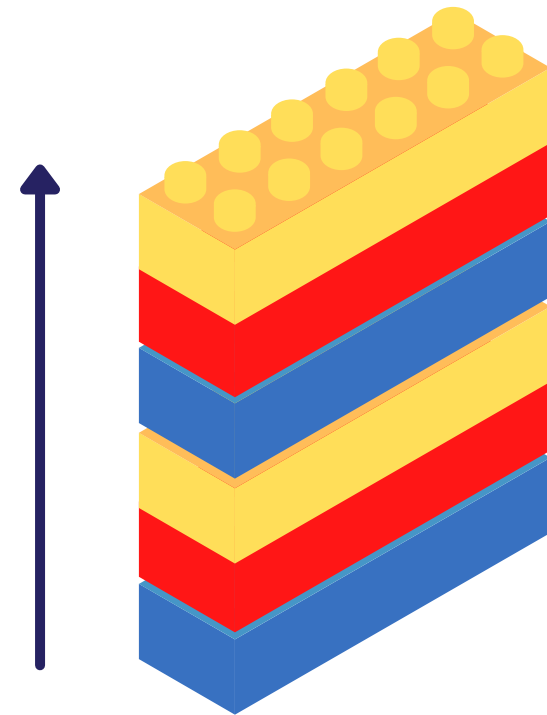
# Shape Monsters



*What assessment opportunities does this task present?*

# Lego Towers

- *Can you spot the pattern I created?*



- *Devise an algorithm to create this pattern: first, then, then, repeat*
- *Now, create your own pattern and write an algorithm. Give your algorithm to your partner and they build a tower. Check the results!*

*What assessment opportunities does this task present?*

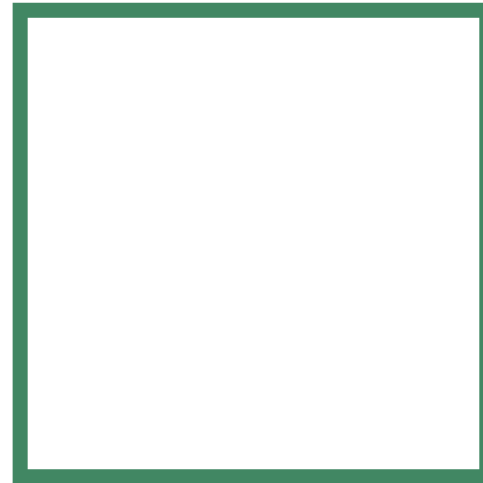
# Algorithm



**First**



**Then**



**Then**



**Repeat**

*What assessment opportunities does this task present?*

# Building Bracelets

1 Which algorithm/s represent the bracelet below?

- $[R(C) + B(C) + G(Cy) + Y(S)] \times 3$
- Red Cube + Blue Cube + Green Cylinder + Yellow Sphere + Red Cube + Blue Cube + Green Cylinder + Yellow Sphere + Red cube + Blue Cube + Green Cylinder + Yellow Sphere
- $(R + B + G + Y)$  Loop



What assessment opportunities does this task present?

# Building Bracelets

2 Write an algorithm for this bracelet. Can you refine it?



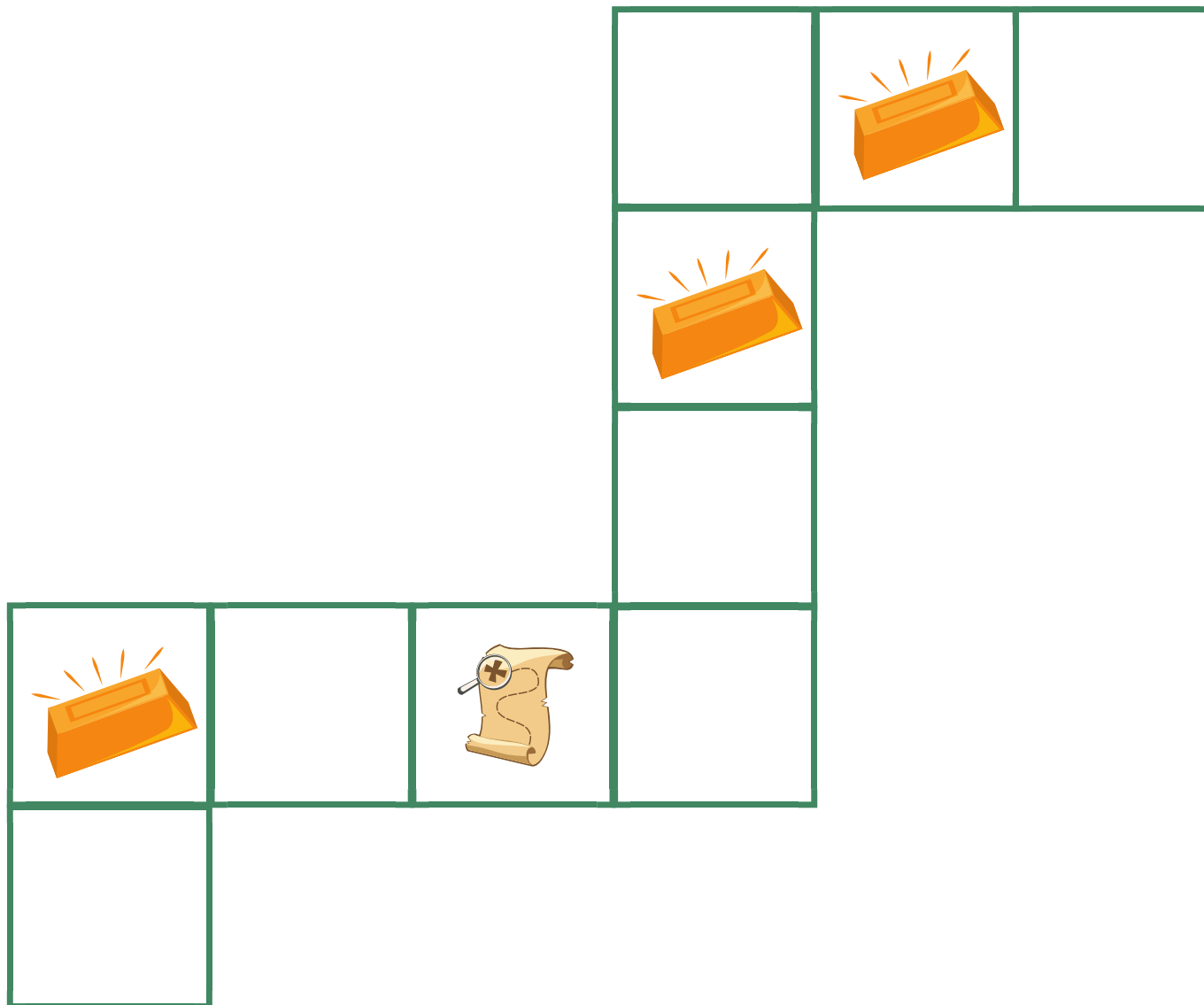
What assessment opportunities does this task present?

# The Gold Rush



- Roll the dice.
- If the number is odd then you can move 2 steps forwards or 2 steps backwards. If the number is even then you can move 4 steps forwards or 4 steps backwards.
- If you have collected one gold bar then you cannot collect the same gold bar again.
- If you land on the map and you are between the age range of 13-19 then you can jump to any gold bar.
- The winner is the first person to collect two gold bars.
- The race is on, best of luck!

What assessment opportunities does this task present?



**START**