

# Get Psyche(d) Journal



**PSYCHE**

## Mission:

Psyche is both the name of an asteroid orbiting the Sun between Mars and Jupiter – and the name of a NASA space mission to visit that asteroid, led by Arizona State University. The mission was chosen by NASA on January 4, 2017 as one of two missions for the agency's Discovery Program, a series of relatively low-cost missions to solar system targets.

## Trajectory:

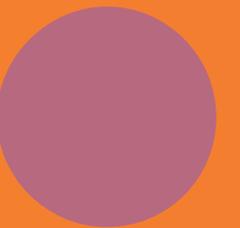
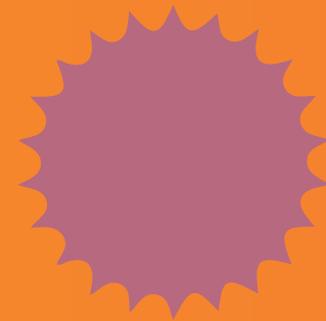
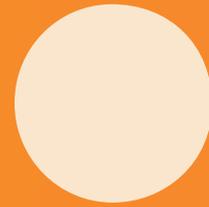
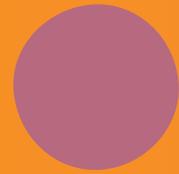
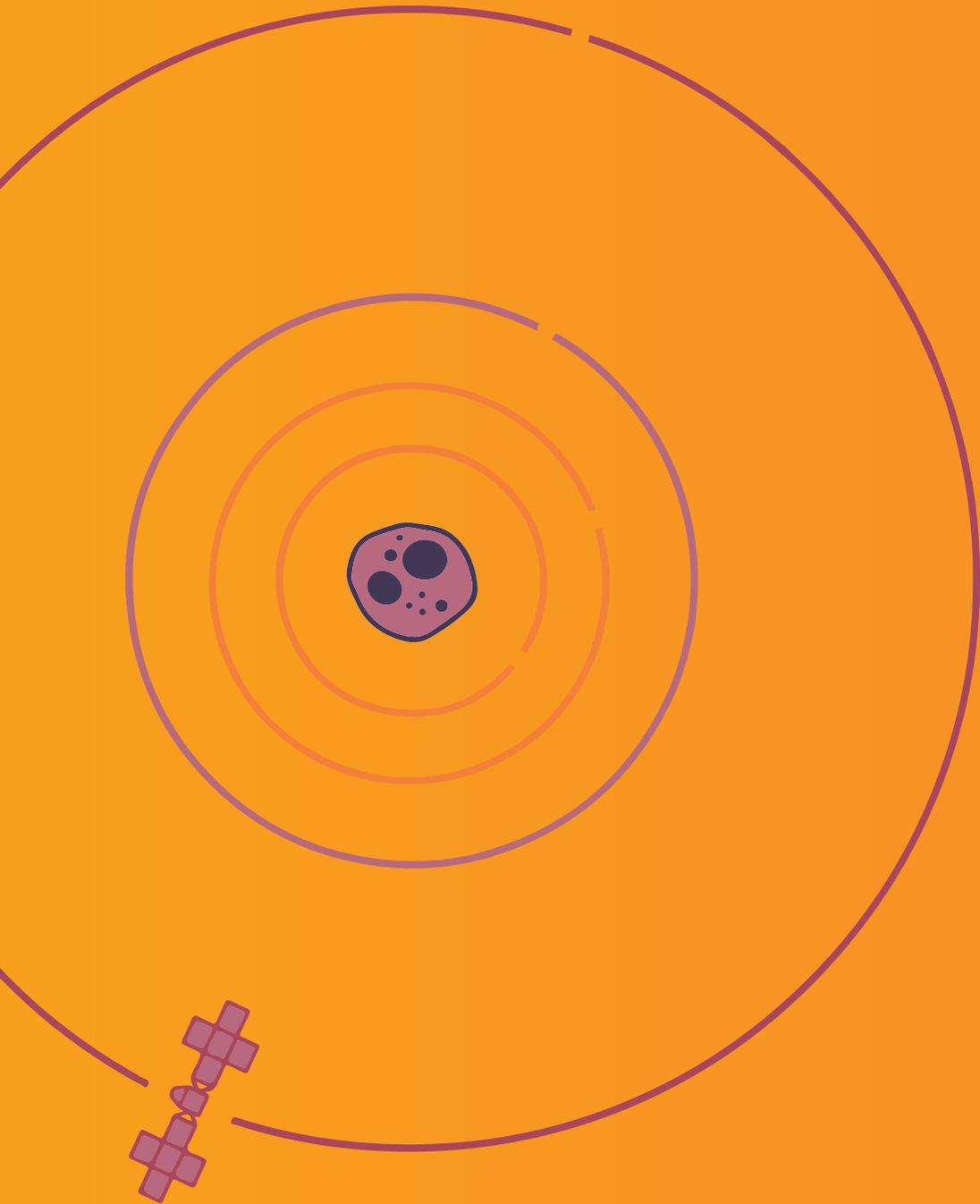
The Psyche spacecraft is targeted to travel to the asteroid using solar-electric (low-thrust) propulsion, following a Mars flyby and gravity-assist. After arrival, the mission plan calls for mapping the asteroid and studying its properties.

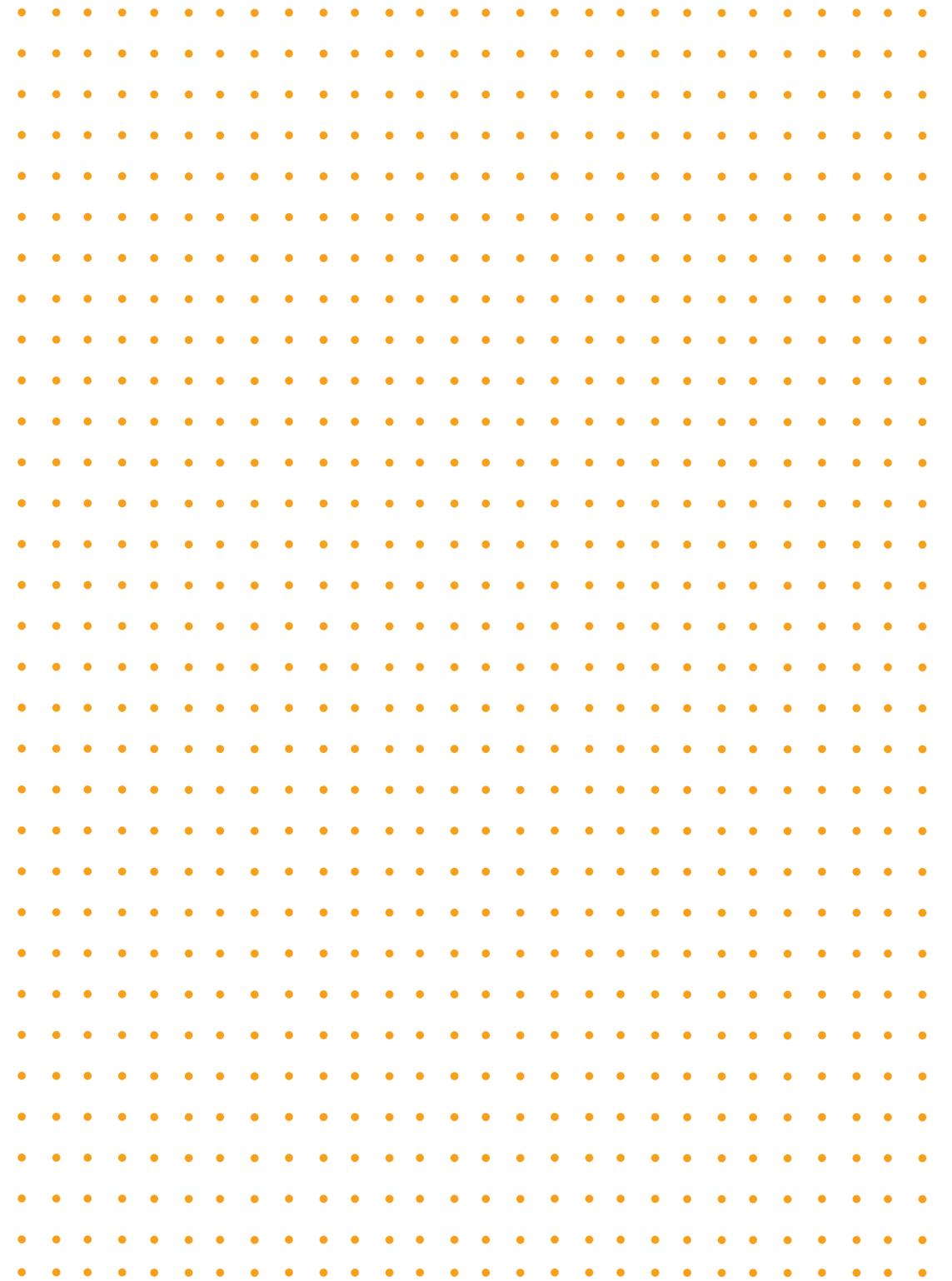
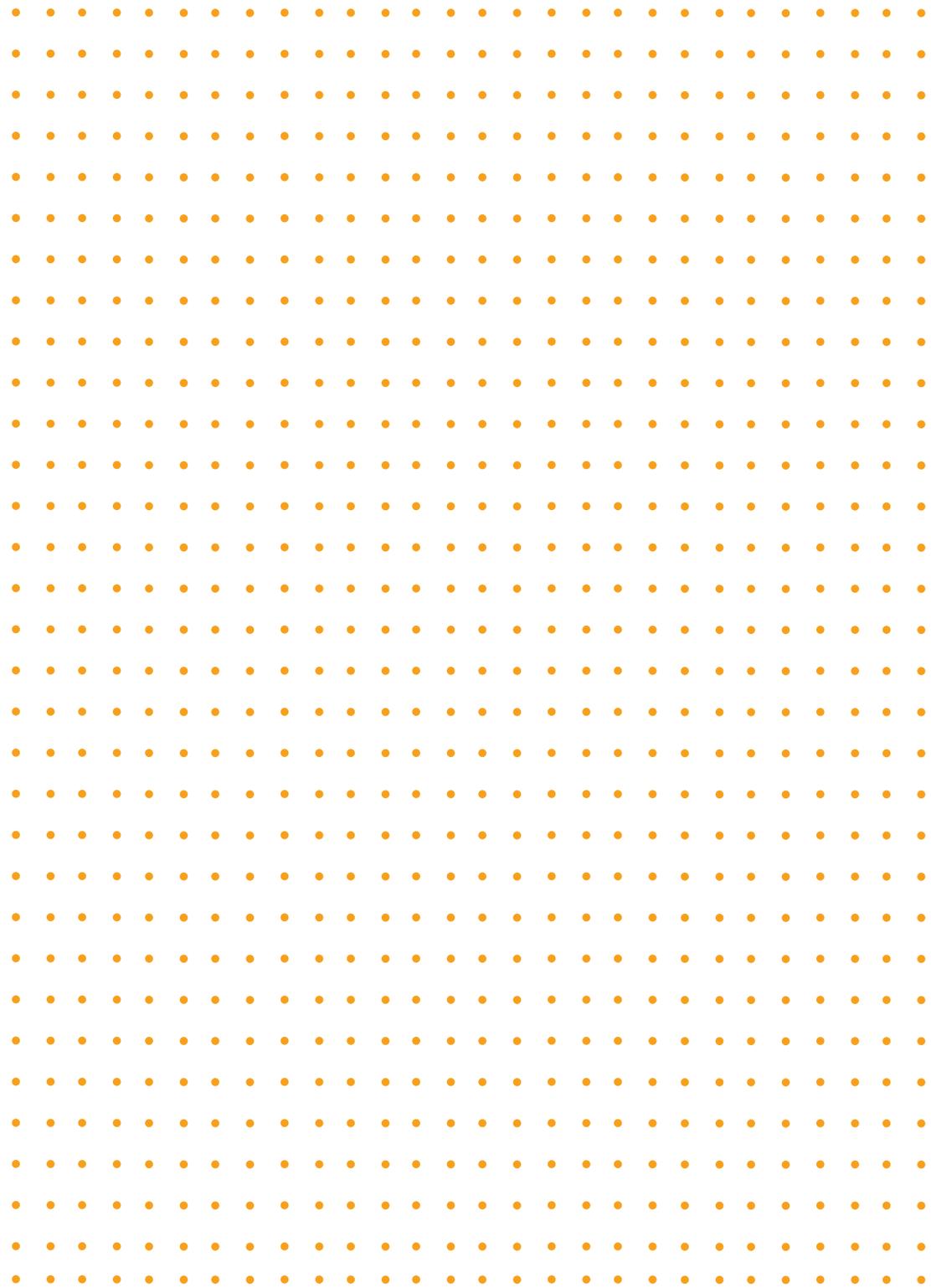
## Orbit:

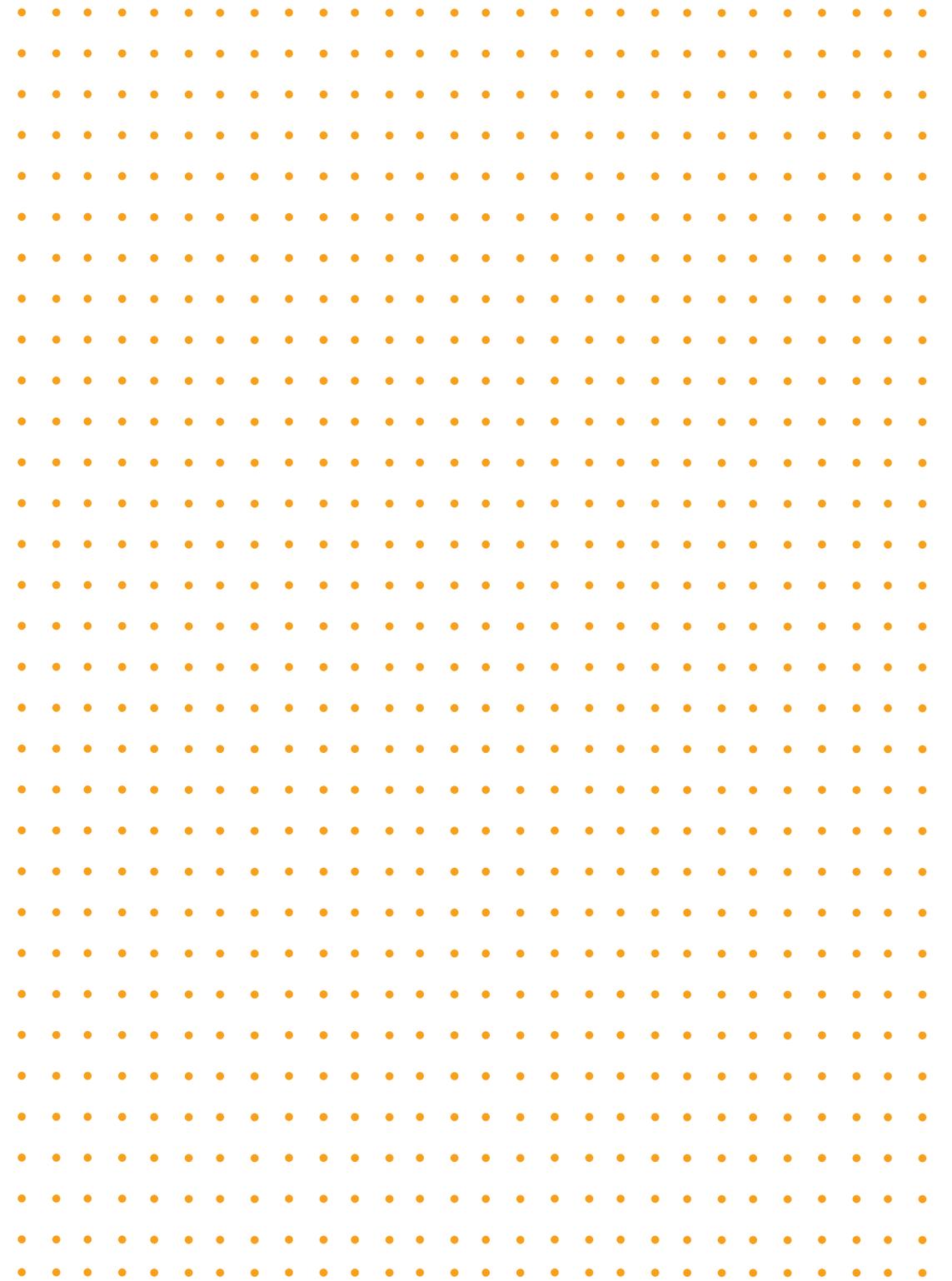
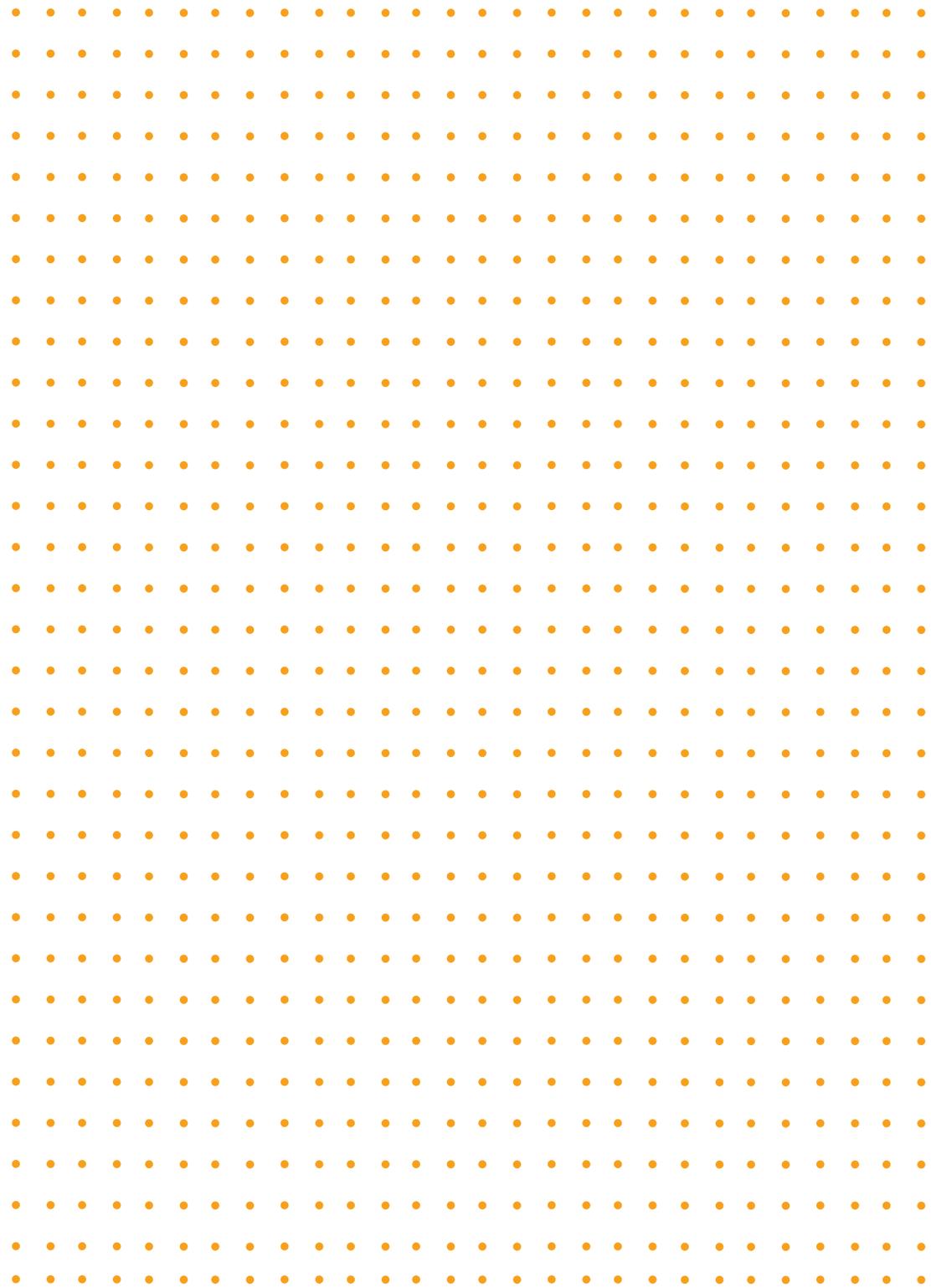
Once the spacecraft arrives at the asteroid, plans call for it to perform science operations from five staging orbits, which become successively closer.

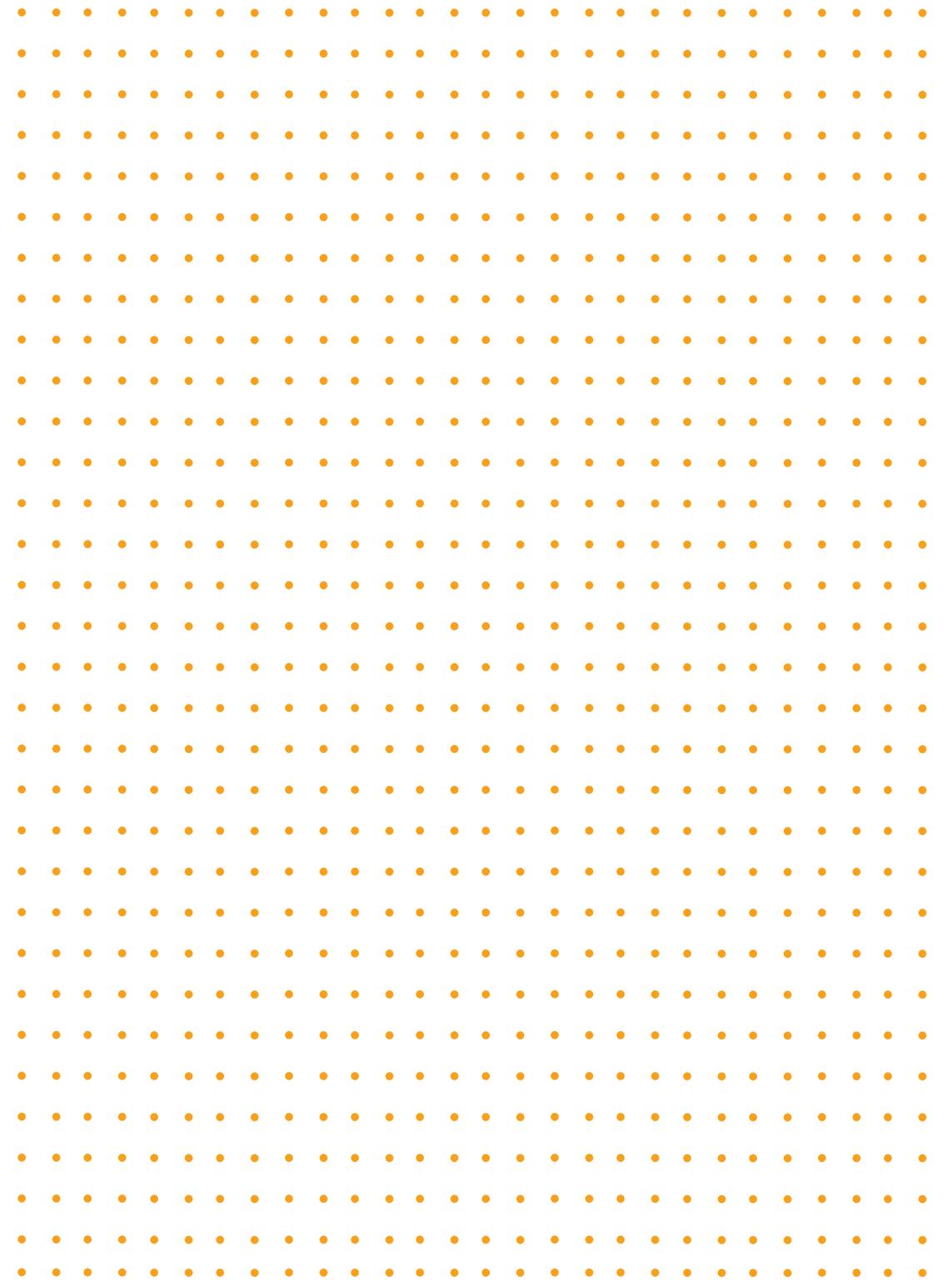
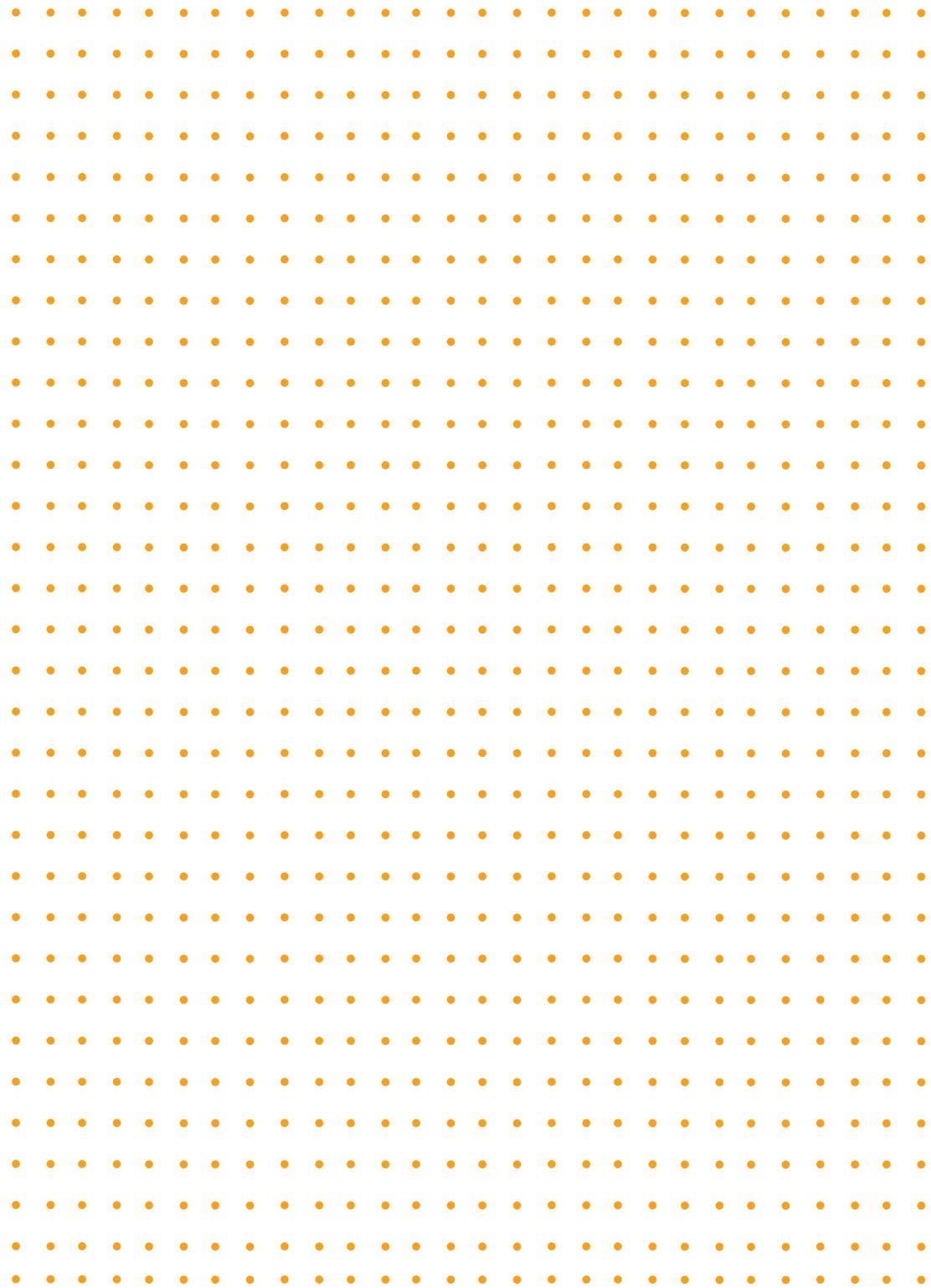


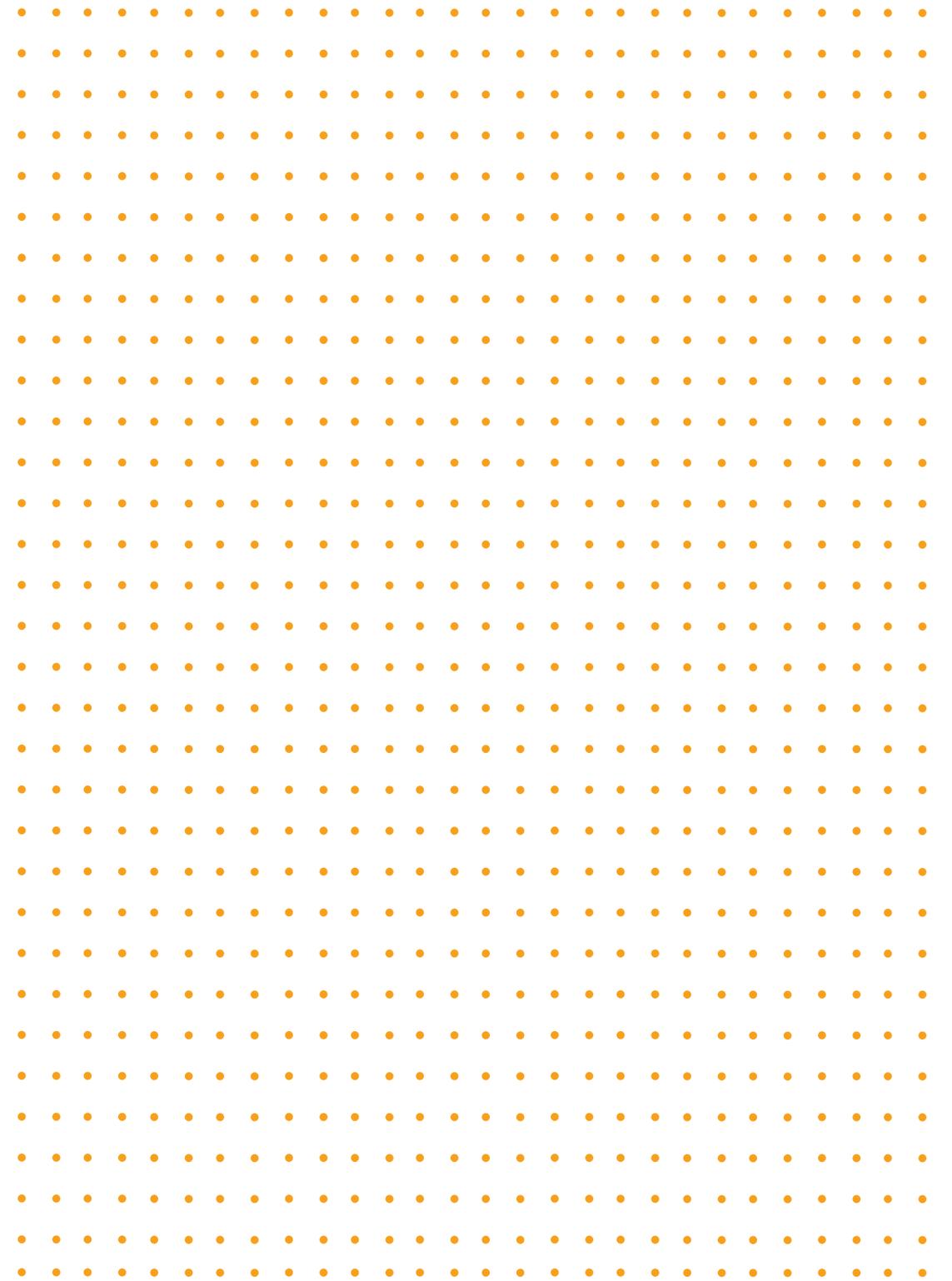
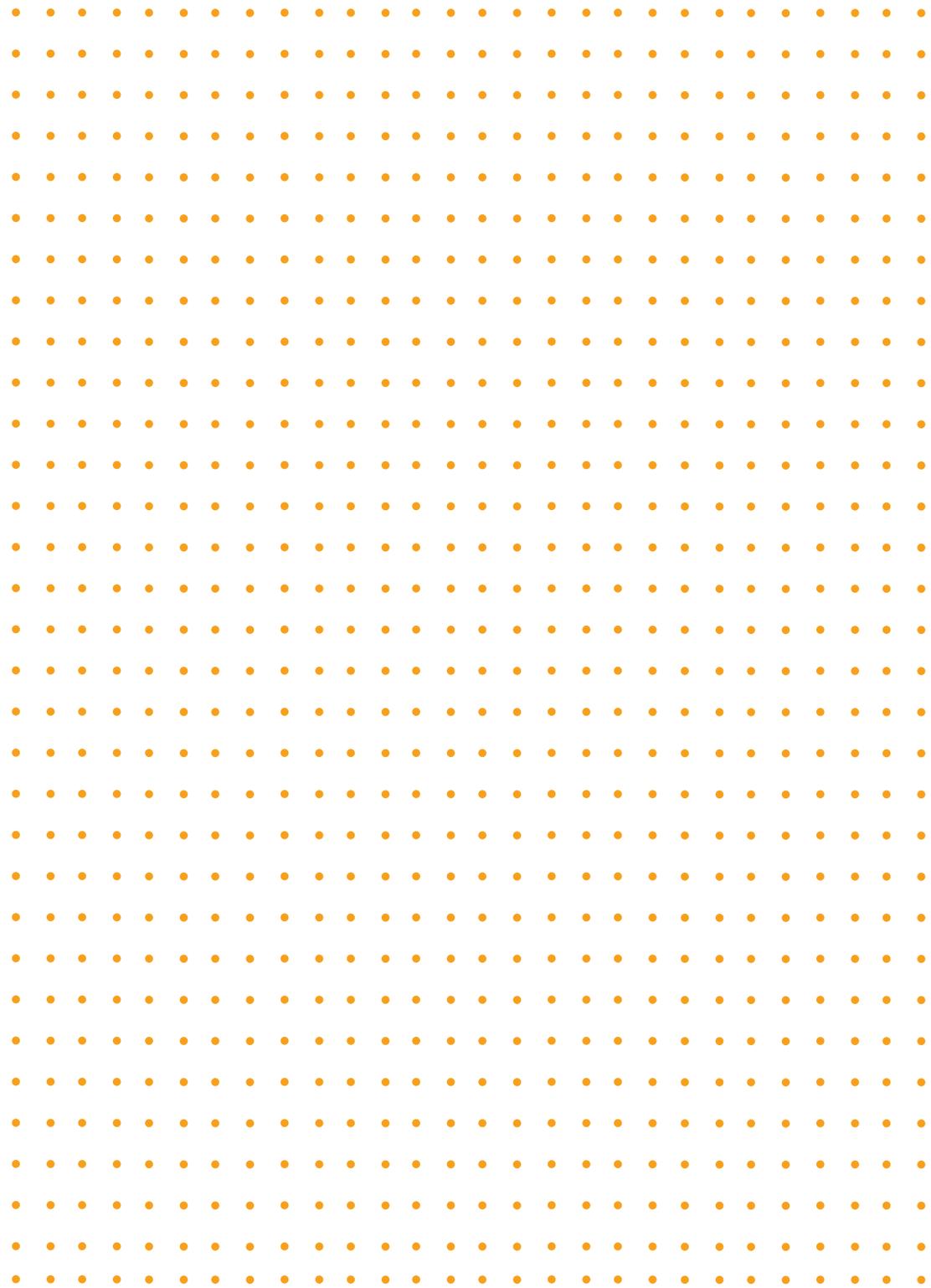
Explorer Name:

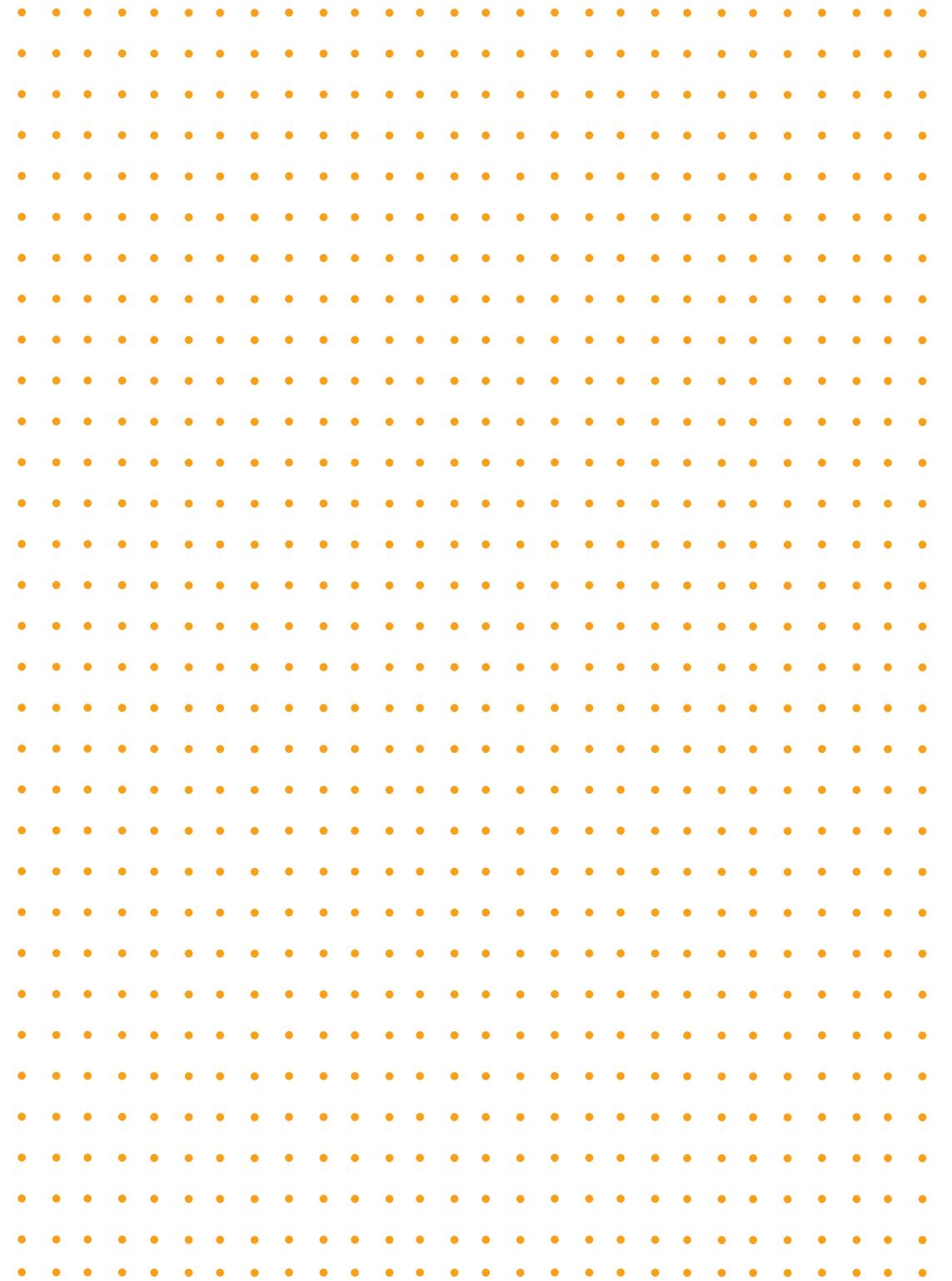
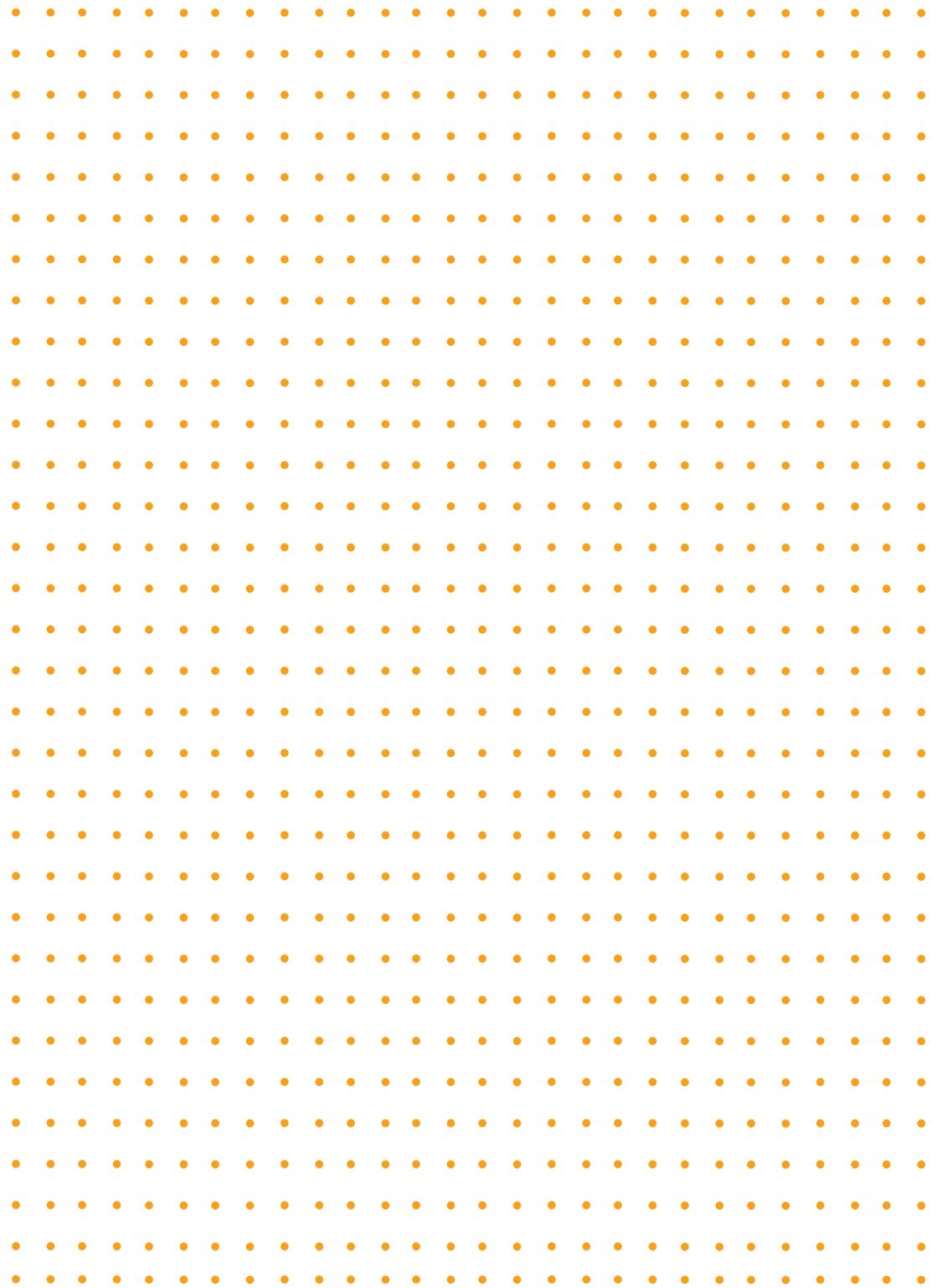












**Psyche Pom Pom**

**1**



# Psyche Pom Pom Instructions

## Materials

Black tissue paper  
Silver tissue paper  
Beading wire

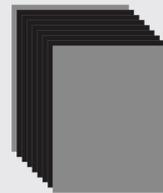
## Each pom-pom requires

7 Sheets black tissue paper (8 x 10)  
2 sheets silver tissue paper (8 x 10)  
1 piece of beading wire (4")

## Instructions

### Step 1

Place a silver sheet of tissue paper on each end with the 7 sheets of black tissue paper in between



### Step 2

Accordion fold vertically - each fold should be about an inch wide



### Step 3

Tie the beading wire around the center



### Step 4

Cut the ends into a round shape



### Step 5

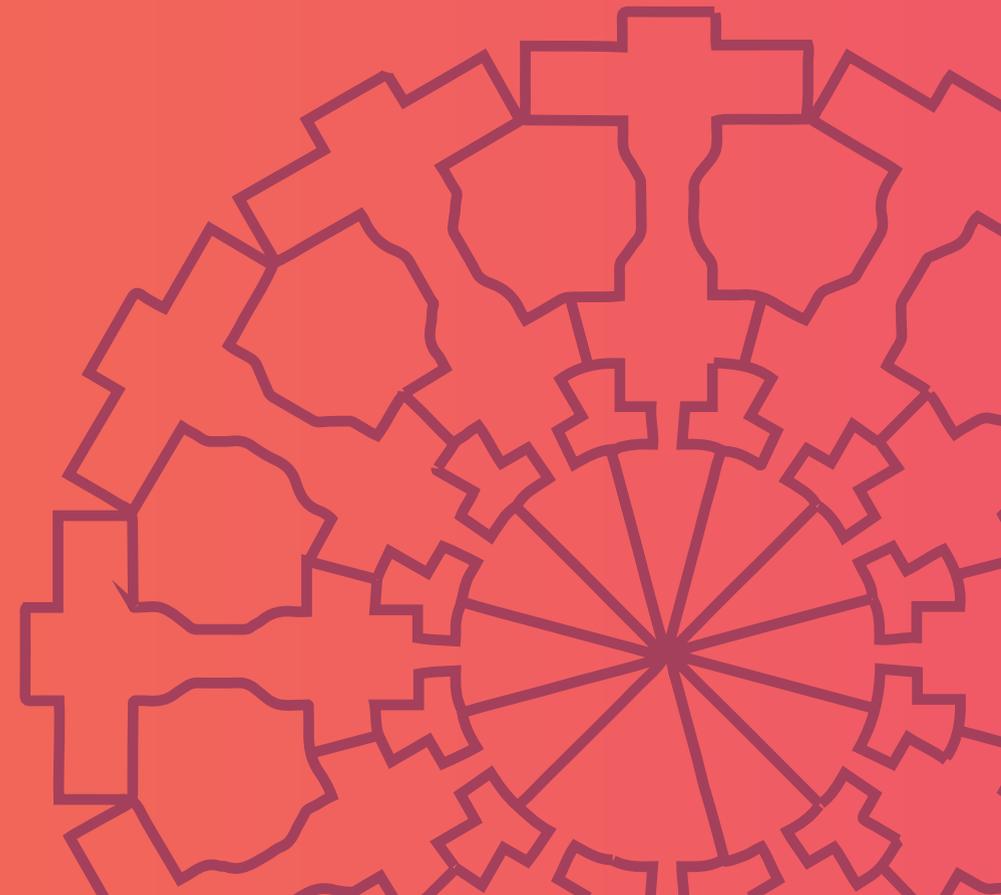
Pull each tissue paper towards the center - alternate between each end

Enjoy!



# Psyche Snowflake

# 2



# Psyche Snowflake Instructions

## Instructions

### Step 1

Cut out the square

### Step 2

Fold diagonally in half to come up with a triangle

### Step 3

Fold once more in half to get a smaller triangle

### Step 4

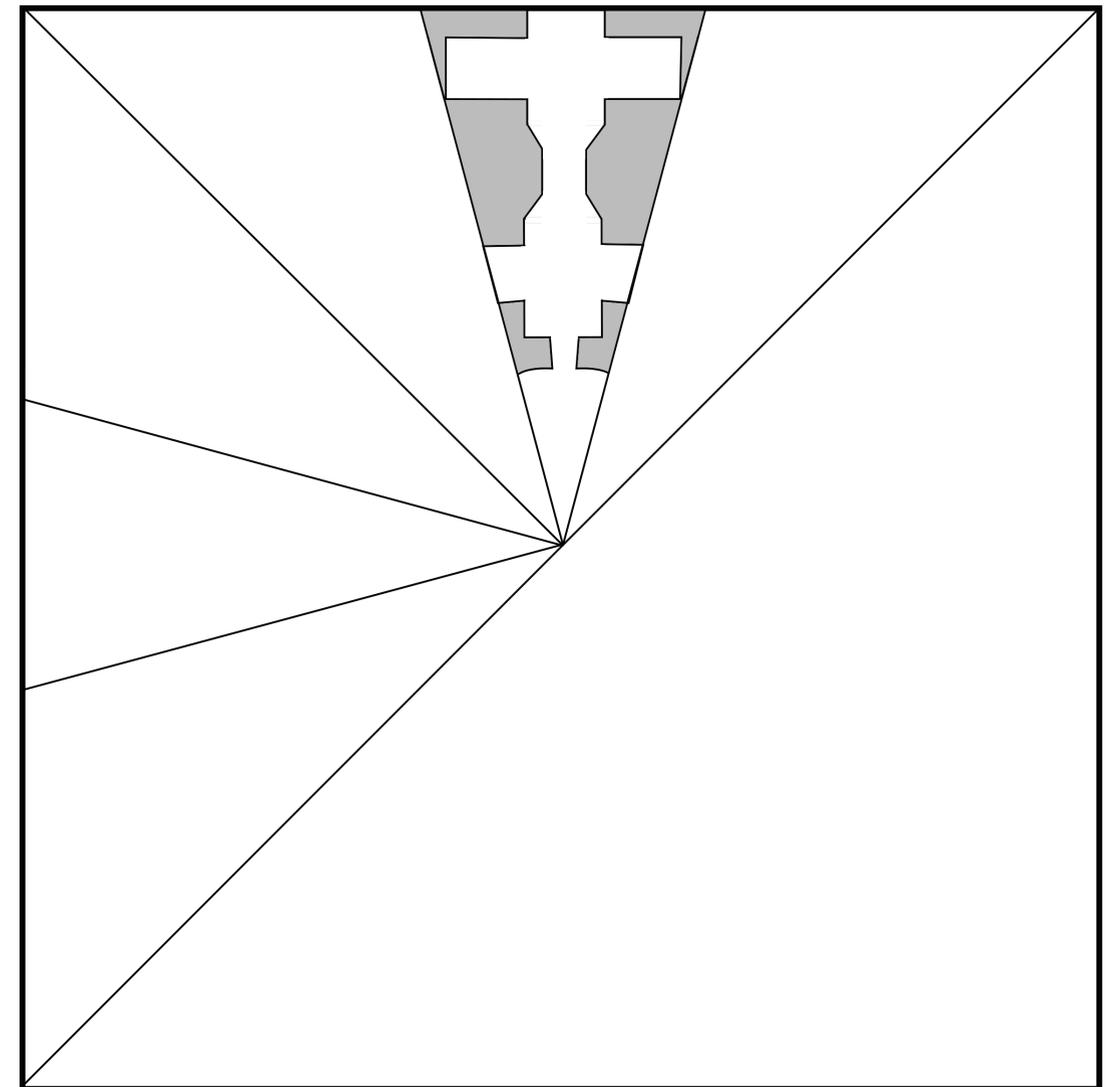
Fold the left section towards the back -  
Fold the right section towards the back

### Step 5

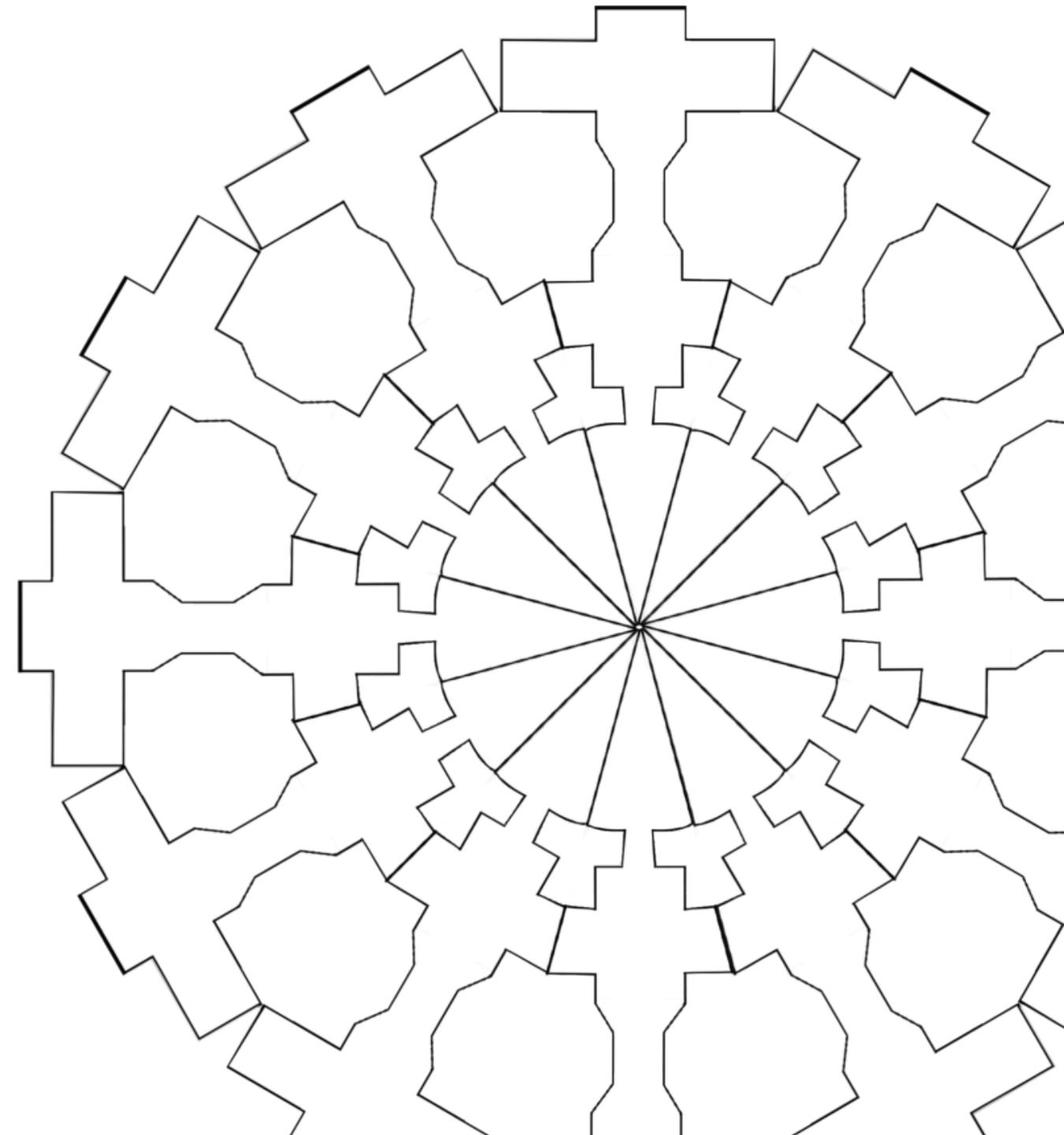
Cut away the gray area

### Step 6

Unfold the paper to reveal the Psyche snowflake!



## Psyche Snowflake Final Look



Connect the Dots

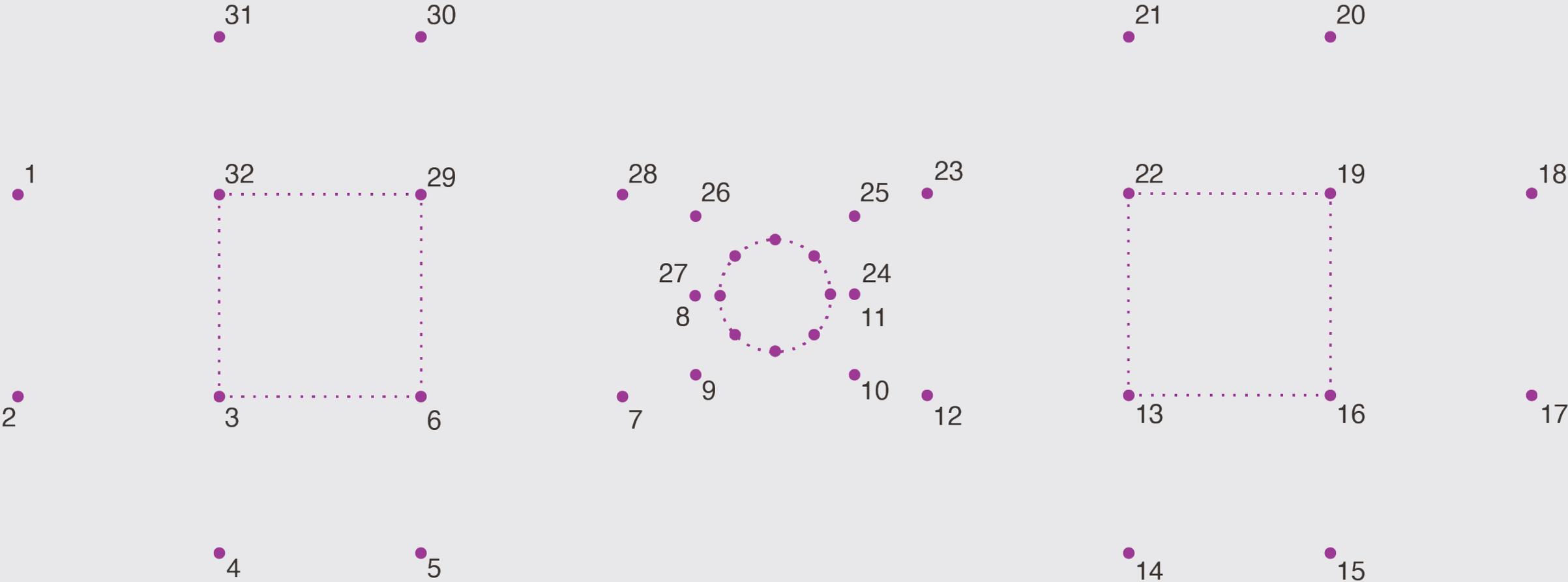
3



# Psyche Connect The Dots Instructions

## Instructions

Start with number one and then continue to number two and so on until the last number. The picture will be revealed as you connect the numbers. You are able to connect the dashed lines right away.

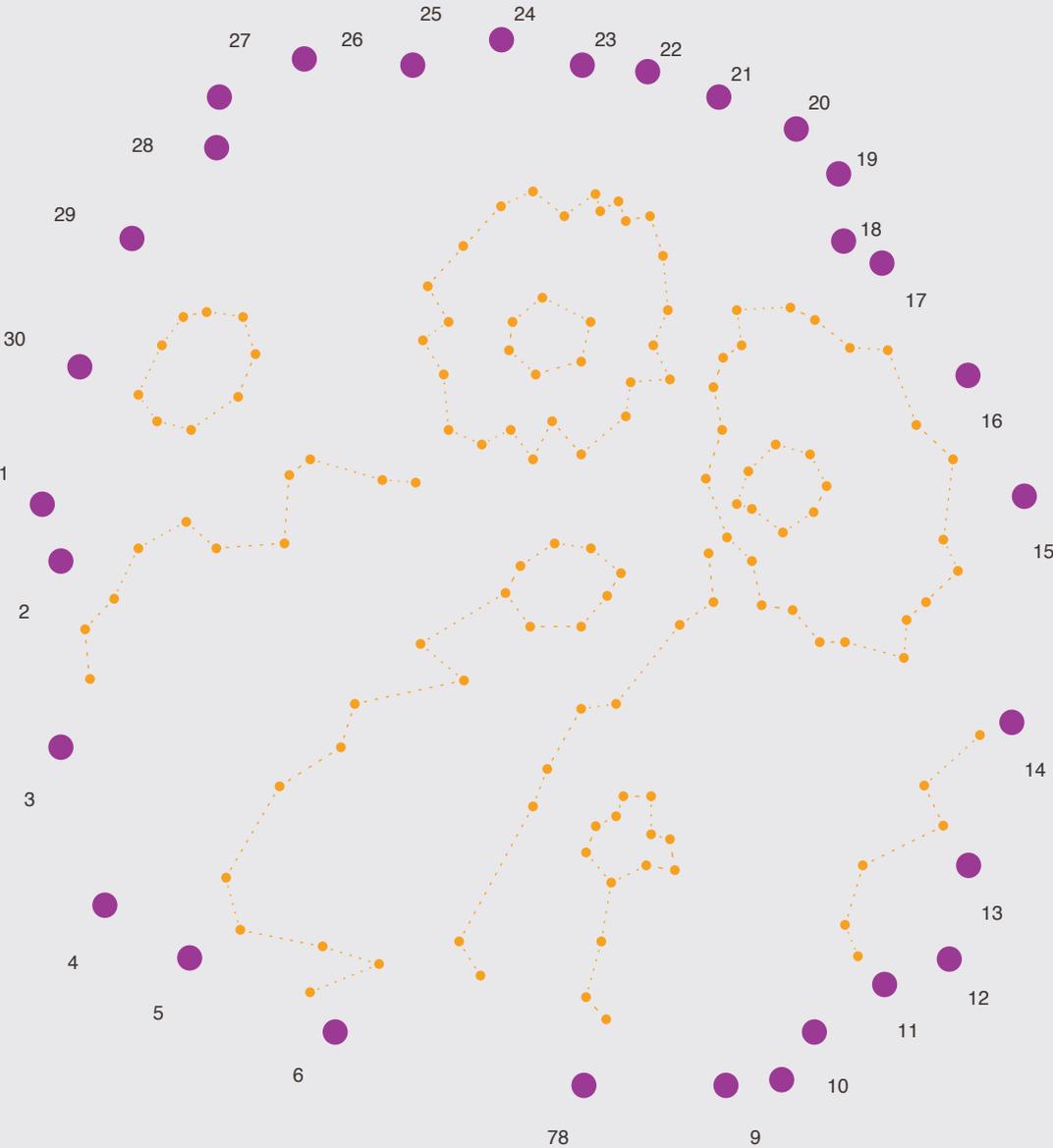


# Psyche Asteroid Connect The Dots

## Instructions

### Instructions

Start with number one and then continue to number two and so on until the last number. The picture will be revealed as you connect the numbers. You are able to connect the dashed lines right away.



**Coloring Pages**

**4**

