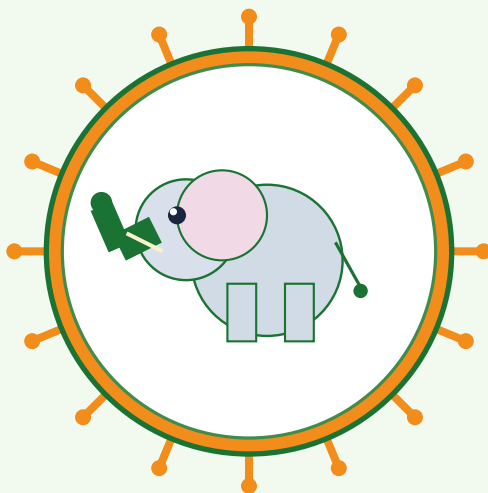


6 Big Diagram Visual Discovery Workbook

GRADE 1 * VISUAL PUZZLES & DRAWING * 100% CCSS & STATE STANDARDS ALIGNED



VISUAL MODELS & MAZES

Ten frames, number bonds & 14x14 labyrinths

HANDWRITING & PHONICS

Primary 3-line guides & Elkonin sound boxes

GAME-STYLE PUZZLES

Roll-and-solve, escape rooms & board paths

COMPLETE ANSWER KEY

Verified step-by-step teacher & parent solutions

THIS WORKBOOK BELONGS TO:

Student Name: _____

Classroom / Teacher: _____

Date Started: _____ Date Finished: _____

My Workbook Milestone Goal: * * * * * (Color 5 stars when done!)



**6 Big Diagram Visual Discovery Workbook**

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT

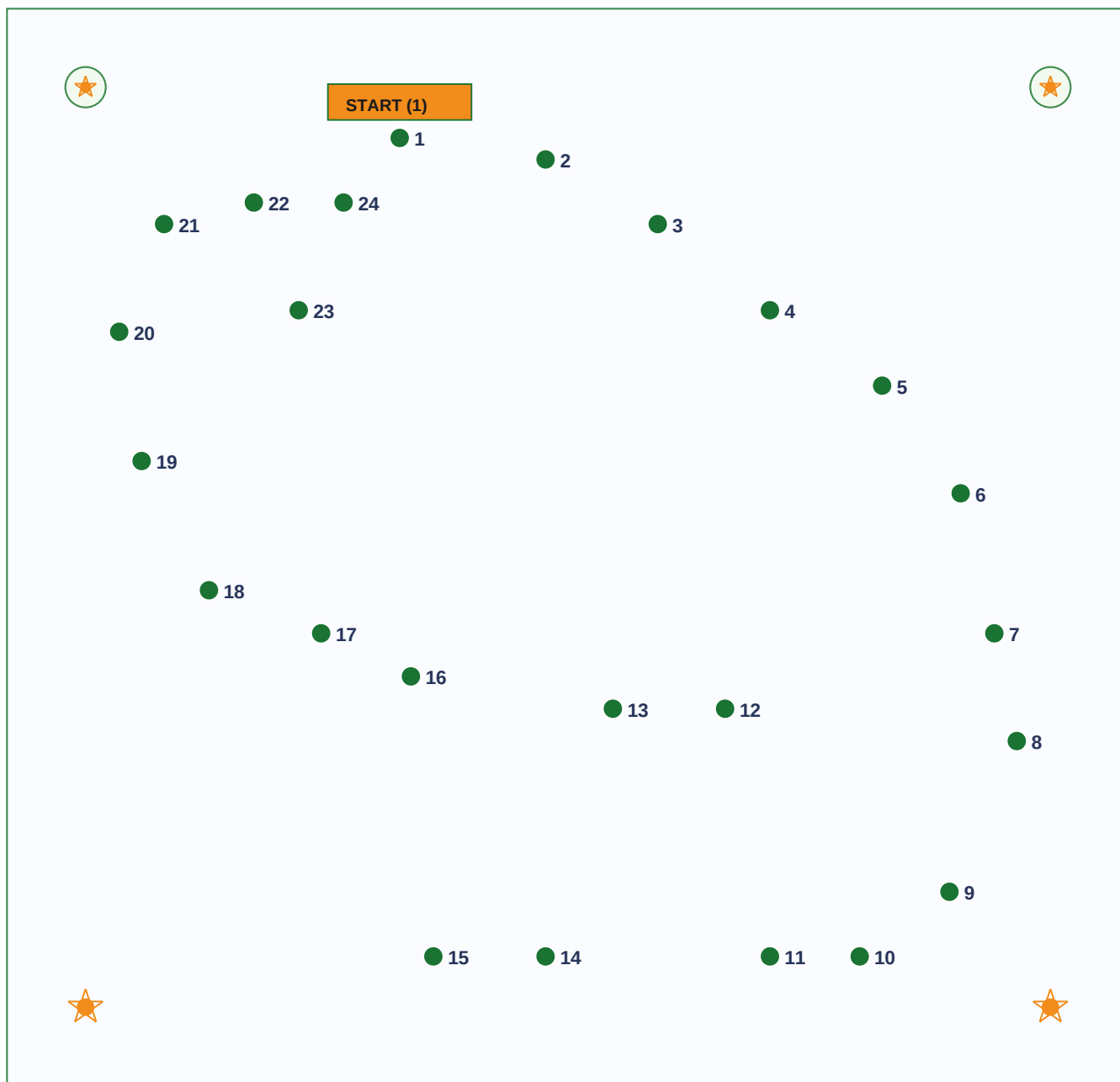


Name: _____

Date: _____ Brain Power: ***

DIAGRAM #1: DIAGRAM 1: SAFARI ELEPHANT 24-POINT DOT-TO-DOT

Count from 1 to 24 in order to reveal the Giant Safari Elephant! Color your drawing.

**SAFARI ARTIST CREATION:**

Elephant Name: _____ Student Signature: _____



6 Big Diagram Visual Discovery Workbook

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT



Name: _____

Date: _____ Brain Power: ***

DIAGRAM #2: DIAGRAM 2: PLAYFUL PUPPY BONE LABYRINTH & TREAT QUEST

Help Puppy navigate through the park labyrinth to find the big bone! Collect all 5 bone treats.

PUPPY ->



DOG BONE GOAL

PUPPY PARK CHALLENGES:

1. How many bone treats did Puppy find on the way? [] Treats
2. Draw Puppy's path with a blue crayon and color the dog bone at the finish!



6 Big Diagram Visual Discovery Workbook

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT



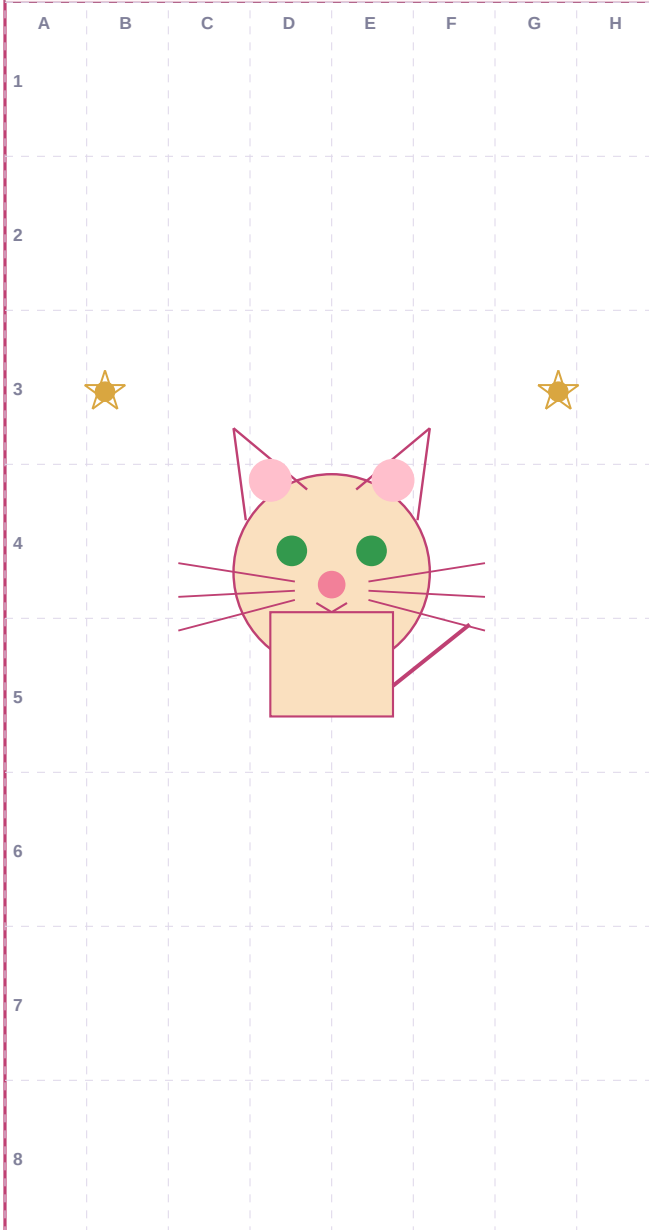
Name: _____

Date: _____ Brain Power: ***

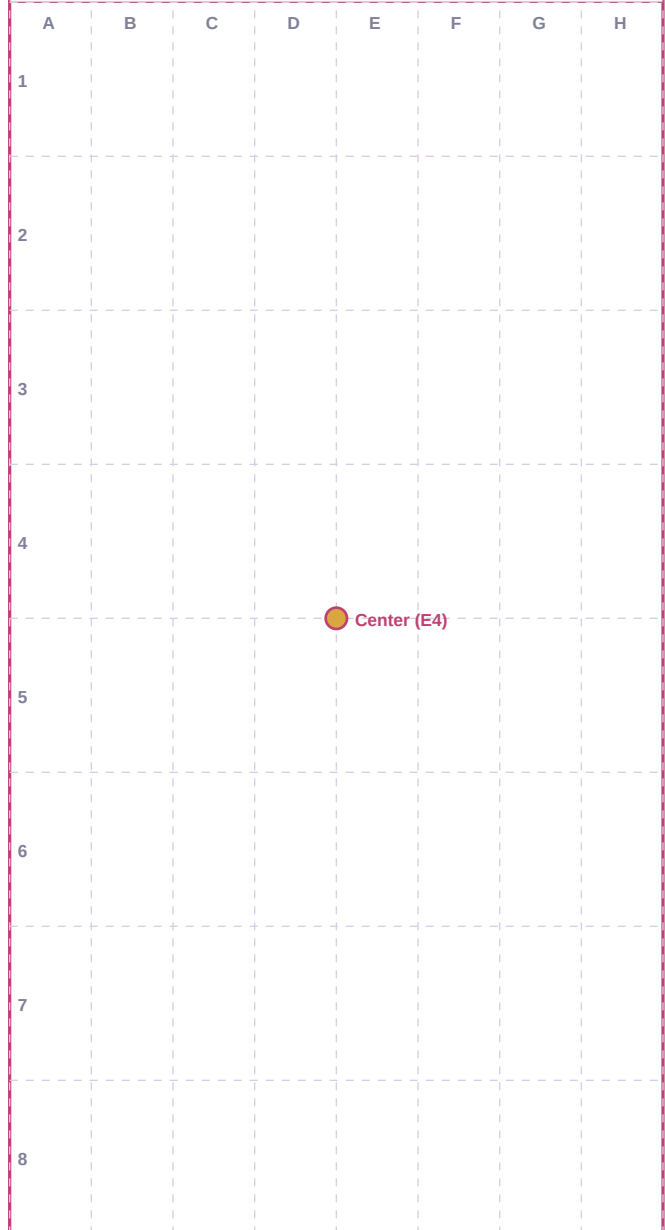
DIAGRAM #3: DIAGRAM 3: KITTY CAT DUAL 8X8 COORDINATE GRID DRAWING

Study the reference Kitty on the left. Replicate each coordinate square on the right grid.

STEP 1: REFERENCE KITTY MODEL



STEP 2: YOUR DRAWING CANVAS



KITTY ARTIST REFLECTION:

☐ I drew 6 whiskers
 ☐ I drew pointed ears
 ☐ I colored the Kitty Cat!
 Score: [5 Stars]



6 Big Diagram Visual Discovery Workbook

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT



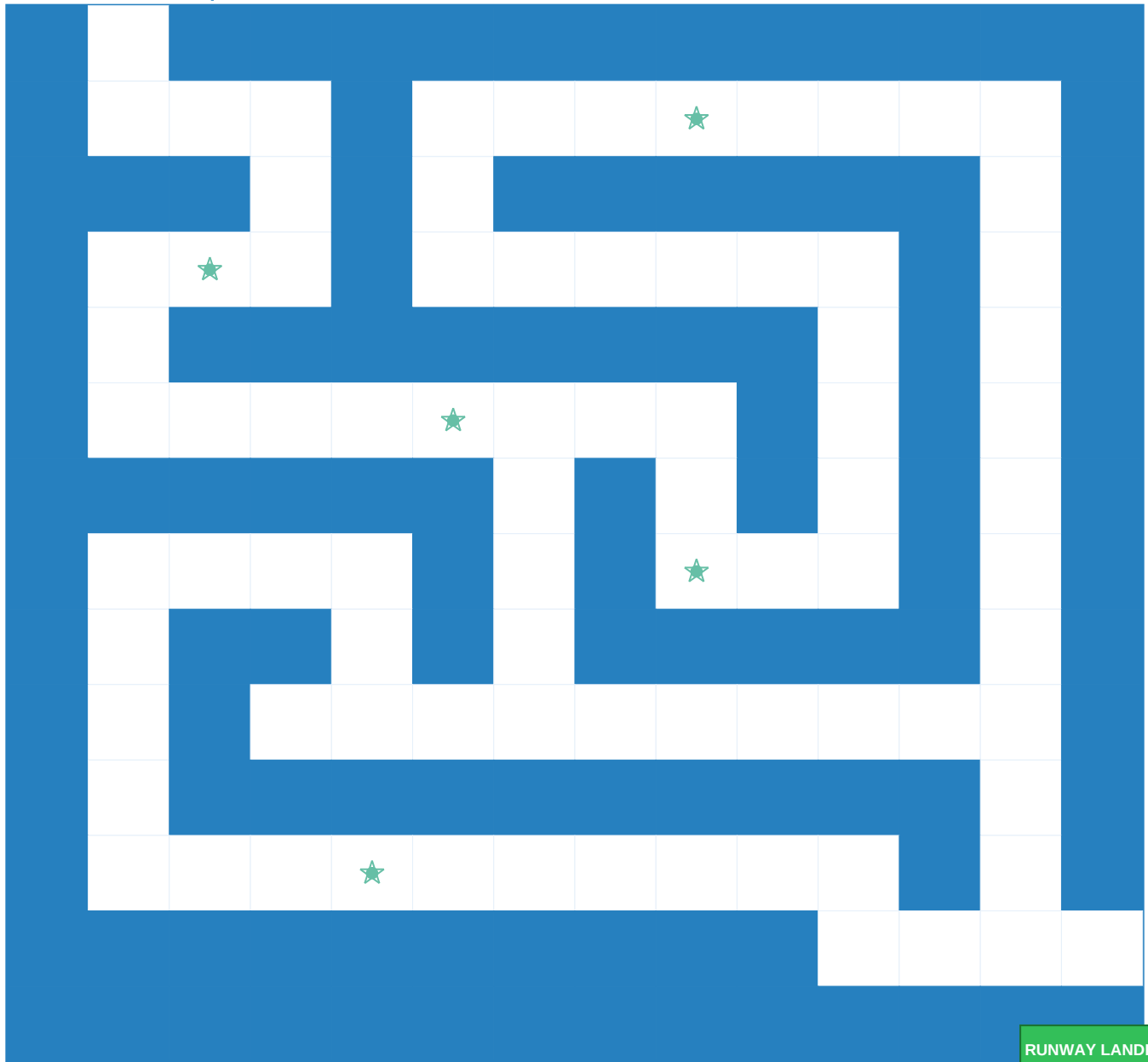
Name: _____

Date: _____ Brain Power: ***

DIAGRAM #4: DIAGRAM 4: SUPERSONIC AIRPLANE SKY FLIGHT LABYRINTH

Pilot the supersonic jet through cloud corridors to reach the runway! Collect all 5 sky stars.

TAKEOFF ->



RUNWAY LANDING

PILOT FLIGHT LOG CHALLENGES:

1. Total Sky Stars collected in the clouds: [] Stars
2. Did your airplane land safely on the green runway? [] Yes [] Captain Ready!



6 Big Diagram Visual Discovery Workbook

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT

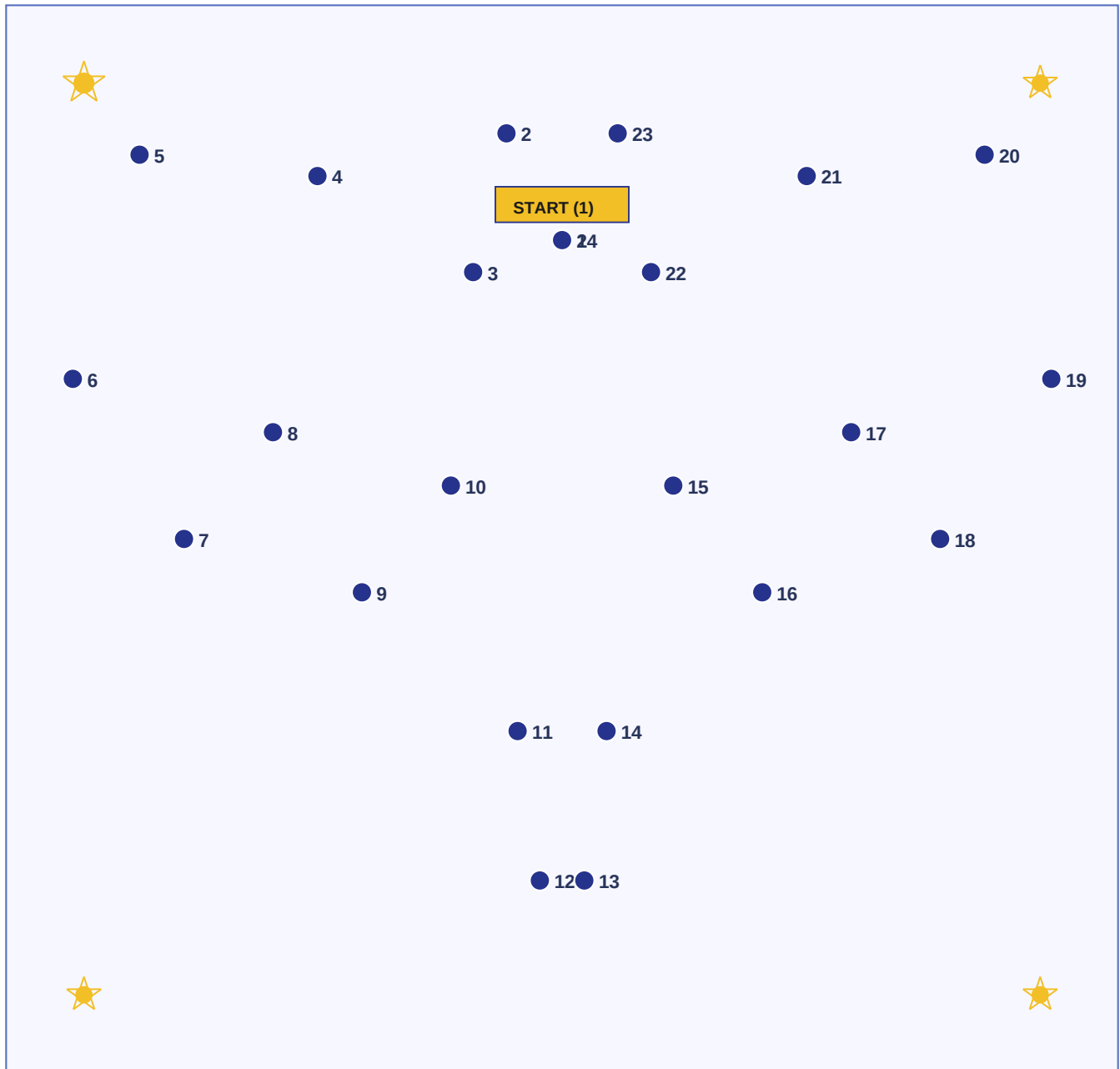


Name: _____

Date: _____ Brain Power: ***

DIAGRAM #5: DIAGRAM 5: NOCTURNAL FLYING BAT 24-POINT WINGSPAN ART

Connect the 24 numbered dots across the night sky to reveal the Flying Bat with full wingspan!



NIGHT FLIGHT ARTIST:

Nocturnal Bat Name: _____ Wingspan Measured: [24 Dots]



6 Big Diagram Visual Discovery Workbook

Topic: 6-Diagram Animal, Vehicle & Sports Visual Workbook - CCSS.MATH.PRACT



Name: _____

Date: _____ Brain Power: ***

DIAGRAM #6: DIAGRAM 6: SPORTS BALL BALANCE SCALES & SCORE PYRAMID

Solve the soccer ball balance scale, 4x4 mini-sudoku, and score addition pyramid!

PUZZLE 1: SOCCER BALL SCALE BALANCE



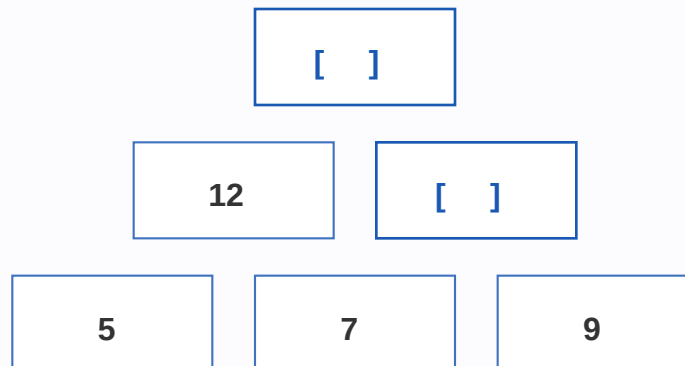
If 2 Soccer Balls = 18, what is the value of 1 Ball?

1 Soccer Ball = [9] points

PUZZLE 2: 4x4 MINI SUDOKU LOGIC

1		3	
	3		2
3		2	
	2		4

PUZZLE 3: SPORTS BALL ADDITION PYRAMID (Each block is the sum of the 2 blocks directly under it!)





Grade / Verified By:

Date: _____

PAGE 8: COMPLETE TEACHER & PARENT ANSWER KEY

Question #1: Elephant Dot-to-Dot (24 points connect

Correct: Completed 24-point elephant outline with t

Rationale: Standards-aligned verified solution.

Question #2: Puppy Dog 14x14 Bone Labyrinth Path

Correct: Clear continuous path through cols 1->13,

Rationale: Standards-aligned verified solution.

Question #3: Cat 8x8 Coordinate Symmetry Drawing

Correct: Replicated whiskered kitty portrait center

Rationale: Standards-aligned verified solution.

Question #4: Airplane Sky Flight Path Navigation

Correct: Connected flight trajectory from Takeoff (

Rationale: Standards-aligned verified solution.

Question #5: Bat 24-Point Wingspan Dot-to-Dot

Correct: Complete nocturnal bat silhouette with sca

Rationale: Standards-aligned verified solution.

Question #6: Soccer Ball Balance: 2 Balls = 18

Correct: 1 Soccer Ball = 9 points (18 / 2 = 9)

Rationale: Standards-aligned verified solution.

Question #7: Sports Ball Addition Pyramid Apex

Correct: Apex = 28 (Tier 2: 12 + 16 = 28; Tier 3: 5

Rationale: Standards-aligned verified solution.

Teacher & Parent Grading Guide:

Encourage students to self-check using the visual models and explain their problem-solving steps.

Award points for both correct reasoning/models and final calculation accuracy.