

INTEGER DOT-TO-DOT BOOK MATH PROJECT

Due _____
Counts As A Test Grade
No Late Projects will Be Accepted

Objective: To create an integer dot-to-dot book.

Materials Needed:

1. 10 sheets of unlined 8 1/2 X 11 inch paper
2. Pencil, markers and/or colored pencils
3. Construction Paper (for the front cover)
4. Yarn, staples, ribbon, or brads to put book together

Instructions:

1. Design 5 different pictures that could be used for a connect the dots book.

****The pictures need to be simple outline pictures without many circles or curves.**

Use the worksheet we did in class as a guide.

2. Lay a second piece of unlined paper over the first picture.

3. Place dots on the outline of the first picture so when you connect the dots the outline of the picture will be formed.

4. **Mark a starting point with an arrow. Place an integer LESS THAN -50 on the starting dot.**

5. Continue to number the other dots in order, making the outline of the picture. The numbers should increase as you move around the outline of the picture. **You must have between 20 to 30 positive and negative integers on each picture.** Approximately half of the numbers should be positive and half should be negative.

6. Repeat steps 2-5 for the other 4 pictures.

7. Draw in the necessary parts to help complete your picture. This means to add eyes, nose, whiskers, lines in the petals, cuffs on the sleeves, etc...

8. Include an answer key which is the same size as the pictures. **Show what each picture would look like if the dots were connected.** You will have a total of 10 pages.

9. Design a front cover for your integer dot-to-dot book. Include a title and your name. **Be creative! Make your dot-to-dot book look attractive.**

10. Put your dot-to-dot book together. The answer key should be in the **back** of your book. **Do not connect the dots on your pictures. Only connect the dots on your answer key.**

Grading System:

-Each picture is worth 17 points (5 pictures x 17 points = 85 points)

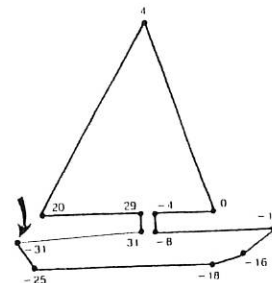
Positive/Negative Numbers	6 points
Starting Point Marked with an Arrow	1 point
Beginning number less than -50	1 point
Accuracy - Numbers in Order	6 points
Creative/Necessary Parts	3 points

Answer Key (2 points per picture) 10 points

Cover Page	5 points
Name on Cover	1 point
Title for Book	1 point
Attractive/Neat	3 points

TOTAL 100 Points

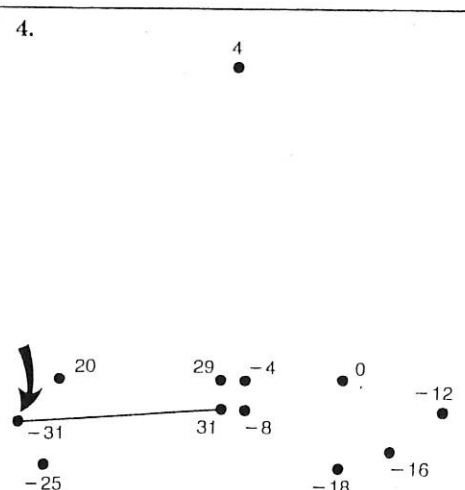
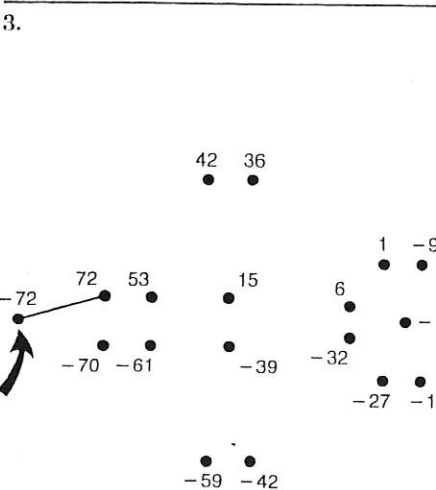
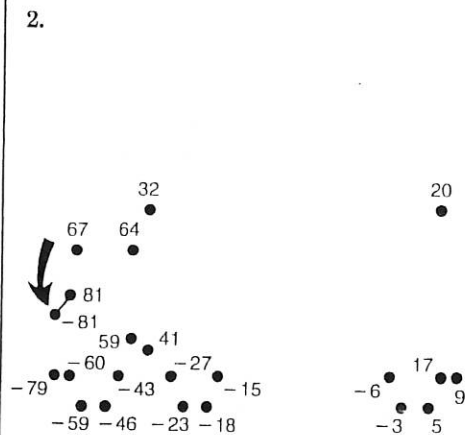
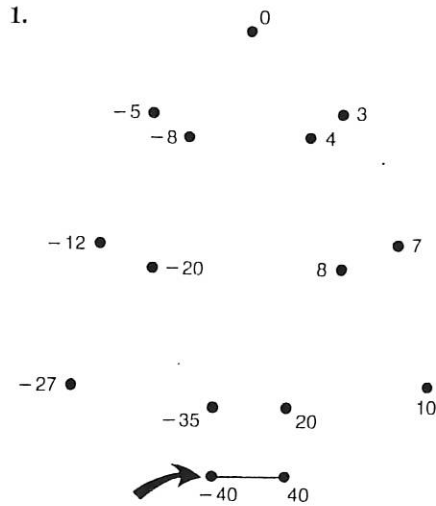
Have Fun and Enjoy!



Enrichment Worksheet 2-2

Integers in Order

Connect the dots in each exercise in the order of the integers shown, from least to greatest. The least integer in each exercise is indicated by the arrow.



Integer Dot-To-Dot Booklet
Grading Rubric

Name _____

1st Picture (17 Points)

- _____ $\frac{1}{2}$ Positive/ $\frac{1}{2}$ Negative Numbers (6 pts)
- _____ Starting Point Marked with Arrow (1 pt)
- _____ Beginning Number less than -50 (1 pt)
- _____ Accuracy - Numbers in Order (6 pts)
- _____ Creative Necessary Parts (3 pts)

2nd Picture (17 Points)

- _____ $\frac{1}{2}$ Positive/ $\frac{1}{2}$ Negative Numbers (6 pts)
- _____ Starting Point Marked with Arrow (1 pt)
- _____ Beginning Number less than -50 (1 pt)
- _____ Accuracy - Numbers in Order (6 pts)
- _____ Creative Necessary Parts (3 pts)

3rd Picture (17 Points)

- _____ $\frac{1}{2}$ Positive/ $\frac{1}{2}$ Negative Numbers (6 pts)
- _____ Starting Point Marked with Arrow (1 pt)
- _____ Beginning Number less than -50 (1 pt)
- _____ Accuracy - Numbers in Order (6 pts)
- _____ Creative Necessary Parts (3 pts)

4th Picture (17 Points)

- _____ $\frac{1}{2}$ Positive/ $\frac{1}{2}$ Negative Numbers (6 pts)
- _____ Starting Point Marked with Arrow (1 pt)
- _____ Beginning Number less than -50 (1 pt)
- _____ Accuracy - Numbers in Order (6 pts)
- _____ Creative Necessary Parts (3 pts)

5th Picture (17 Points)

- _____ $\frac{1}{2}$ Positive/ $\frac{1}{2}$ Negative Numbers (6 pts)
- _____ Starting Point Marked with Arrow (1 pt)
- _____ Beginning Number less than -50 (1 pt)
- _____ Accuracy - Numbers in Order (6 pts)
- _____ Creative Necessary Parts (3 pts)

Answer Key (2 pts per picture - 10 pts Total)
_____ Answer Key included for pictures (10 Pts)

Cover Page (5 pts)

_____ Name on Cover (1 pt)
_____ Title for Booklet (1 pt)
_____ Attractive/Neat/Creative (3 pts)

Total Points _____