

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Work Place Instructions 8B Wacky Discus

- Each player gets an 8B Wacky Discus Record Sheet and records the Wacky Discus area on the sheet.
  - Players use the area posted at the station. If no area is posted, players agree on an area to use for the event.
- Each player writes all of the possible pairs of dimensions for the chosen area on their record sheet.

Unit 8 Module 1 | Session 2 class set, plus more as needed, stored in the Work Place bin

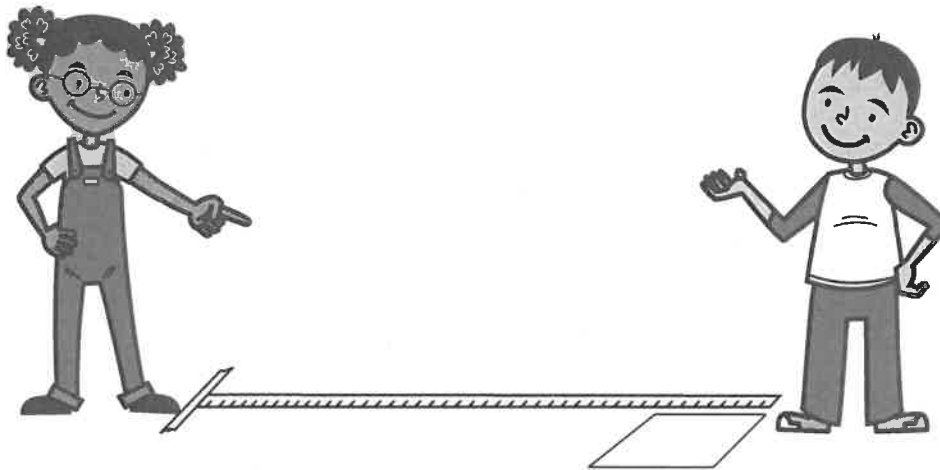
NAME \_\_\_\_\_ DATE \_\_\_\_\_

**8B Wacky Discus Record Sheet**

- Our Wacky Discus will have an area of 24 square centimeters.
- Write all the pairs of dimensions you can find for a rectangle with the area you've chosen.
- Each time you play the game:
  - Choose one of the dimensions you've found and record the dimensions in the table.
  - Throw your Wacky Discus as far as you can. Use the measuring tape to find out how far it went and record the results below.
  - Write each player's longest throws on the lines below the table, then calculate the difference between them.
  - When you play the game the second time, you can choose a new set of dimensions from those you found above, or you can throw your first discus again.

Dimensions: $1 \times 24, 2 \times 12, 3 \times 8, 4 \times 6, 24 \times 1, 12 \times 2, 8 \times 3, 6 \times 4$	
Game 1	
Distance Thrown (in inches)	
Player 1:	Player 2:
First Throw	
Second Throw	

- Each player chooses one of the pairs of dimensions to make their Wacky Discus and records the dimensions in the table. Then each player measures the dimensions onto a sheet of paper and cuts out their Wacky Discus.
- Each player throws their Wacky Discus three times. Players record the results on their record sheets.
  - When throwing, the players stand with toes just barely on the starting line.
  - After throwing, players use the measuring tape to measure a straight line from the starting line to the nearest edge of the discus.
  - Players record the measurement to the nearest quarter-inch.



- Each player calculates the difference between his best distance and the other player's best distance and records that difference on the record sheet.
- Players repeat the event. They can either keep the same discus, or make a new discus with the same area but different dimensions.

### Game Variation

- A** Make a triangle, trapezoid, or parallelogram discus instead of a rectangle.



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## 8B Wacky Discus Record Sheet

- Our Wacky Discus will have an area of \_\_\_\_\_ square centimeters.
- Write all the pairs of dimensions you can find for a rectangle with the area you've chosen.
- Each time you play the game:
  - Choose one of the dimensions you've found and record the dimensions in the table.
  - Throw your Wacky Discus as far as you can. Use the measuring tape to find out how far it went and record the results below.
  - Write each player's longest throw on the lines below the table, then calculate the difference between them.
  - When you play the game the second time, you can choose a new set of dimensions from those you found above, or you can throw your first discus again.

<b>Game 1</b>	<b>Dimensions:</b>	
	<b>Distance Thrown (in inches)</b>	
	<b>Player 1:</b>	<b>Player 2:</b>
	<b>First Throw</b>	
<b>Second Throw</b>		
<b>Third Throw</b>		

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 winning best throw                      other player's best throw                      difference

<b>Game 2</b>	<b>Dimensions:</b>	
	<b>Distance Thrown (in inches)</b>	
	<b>Player 1:</b>	<b>Player 2:</b>
	<b>First Throw</b>	
<b>Second Throw</b>		
<b>Third Throw</b>		

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
 winning best throw                      other player's best throw                      difference

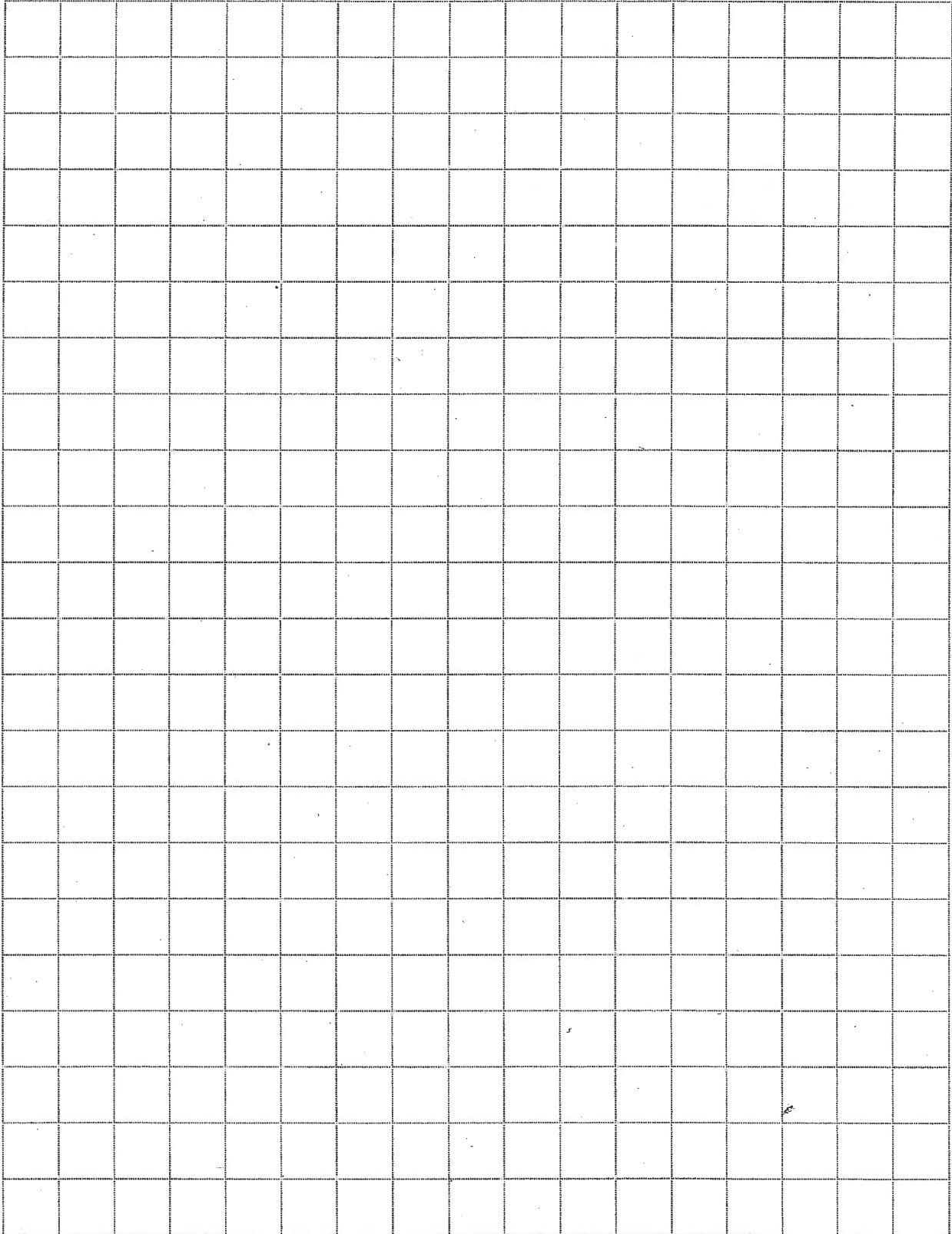


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# 8B Centimeter Grid Paper







My best throw \_\_\_\_\_ and your

number

best throw was \_\_\_\_\_.

number

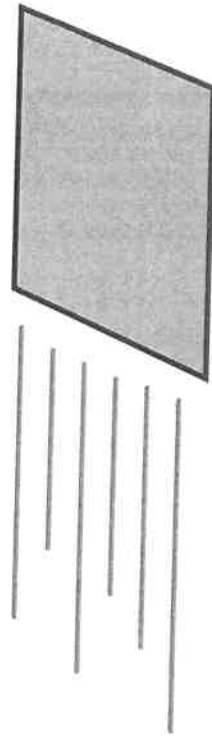
The difference between the two is

\_\_\_\_\_ = \_\_\_\_\_.

number

number

number





I am going to make a \_\_\_\_\_  
instead of a rectangle.

triangle/trapezoid/parallelogram



