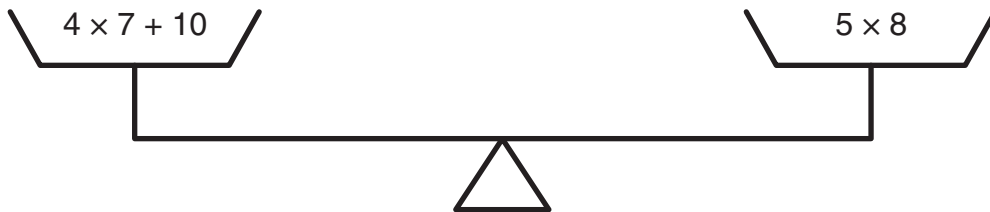


It's a Matter of Rates

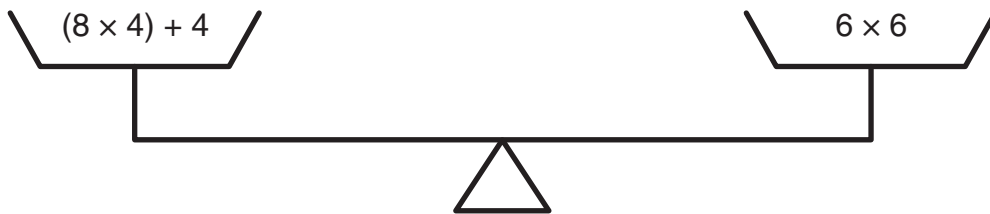
1. Terry can run 4 laps in 12 minutes. Susan can run 3 laps in 9 minutes. Who is the faster runner?
2. Jack and Jill were picking strawberries at the Pick Your Own Berry Patch. Jack "sampled" 5 berries every 25 minutes. Jill ate 3 berries every 10 minutes. If they both pick at about the same speed, who will bring home more berries?
3. Some of the hens in Farmer Brown's chicken farm lay brown eggs and the others lay white eggs. Farmer Brown noticed that in the large hen house he collected about 4 brown eggs for every 10 white ones. In the smaller hen house the ratio of brown to white was 1 to 3. In which hen house do the hens lay more brown eggs?
4. The Talks-a-Lot Phone Company charges 70¢ for every 15 minutes. Reaching Out Phone Company charges \$1.00 for 20 minutes. Which company is offering the cheaper rate?

Tilt or Balance?

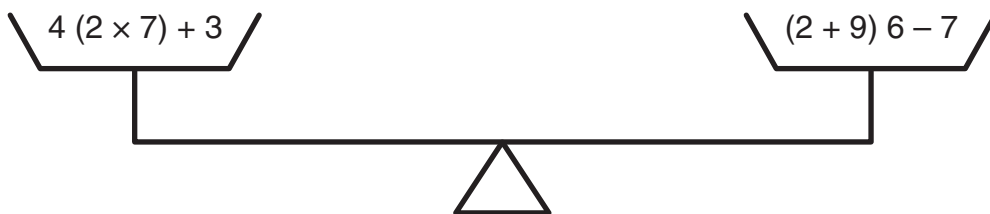
Name _____



$$4 \times 7 + 10 \begin{matrix} < \\ = \\ > \end{matrix} 5 \times 8$$



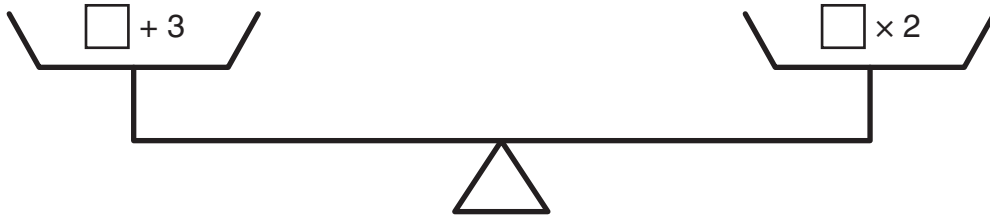
$$(8 \times 4) + 4 \begin{matrix} < \\ = \\ > \end{matrix} 6 \times 6$$



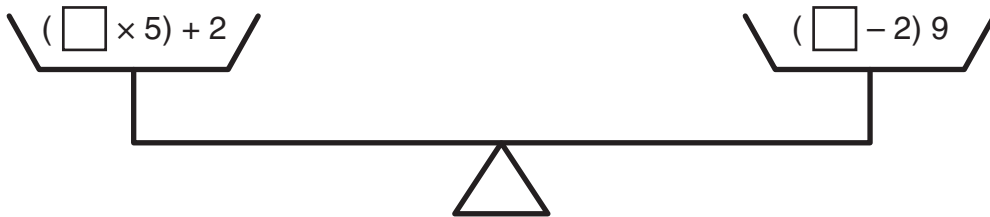
$$4(2 \times 7) + 3 \begin{matrix} < \\ = \\ > \end{matrix} (2 + 9)6 - 7$$

Tilt or Balance Challenge

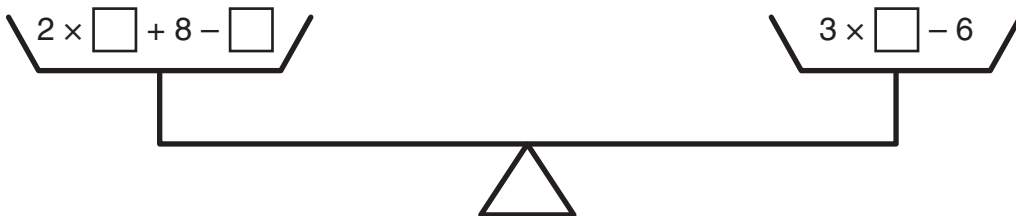
Name _____



$$\square + 3 \quad \underline{\quad} \quad \square \times 2$$



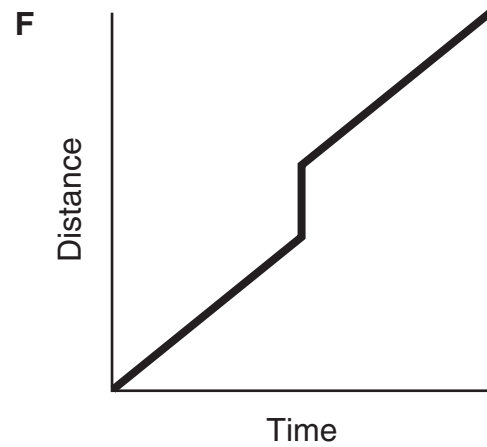
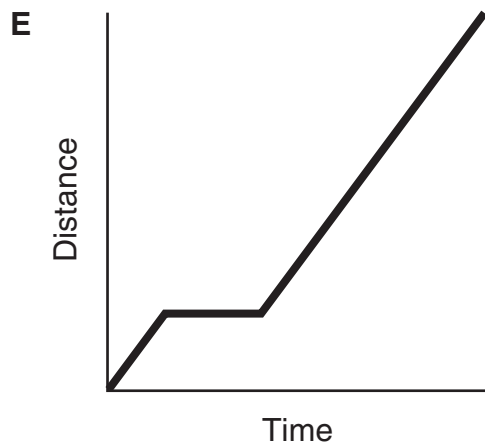
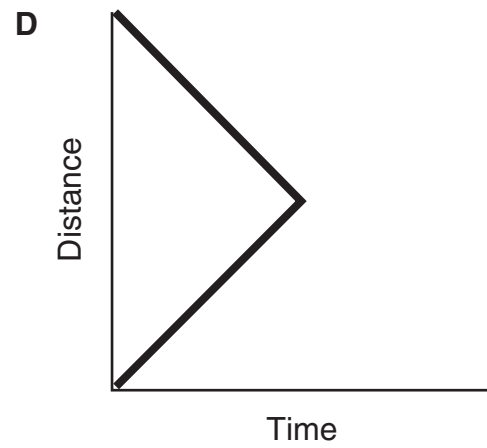
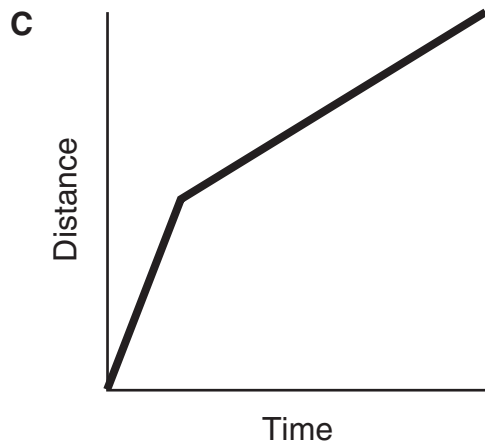
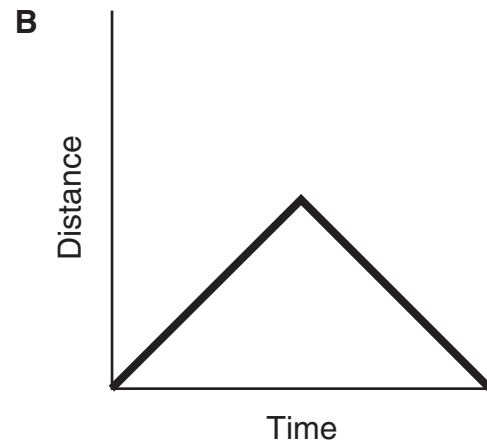
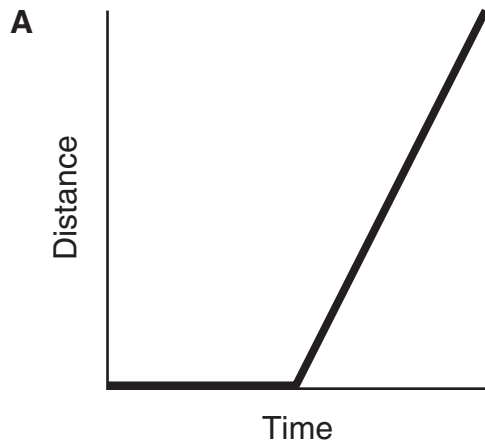
$$(\square \times 5) + 2 \quad \underline{\quad} \quad (\square - 2) 9$$



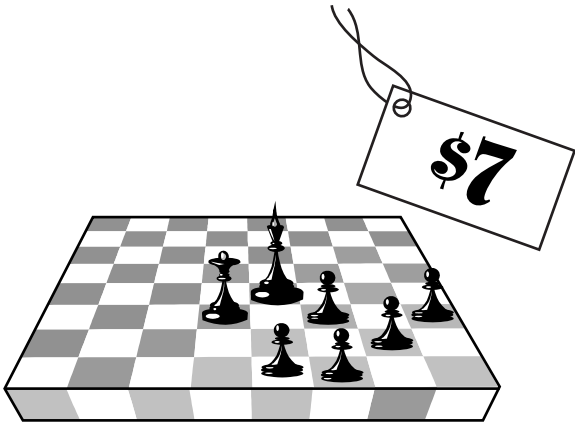
$$2 \times \square + 8 - \square \quad \underline{\quad} \quad 3 \times \square - 6$$

Create a Journey Story

If possible, create a story about a journey that the graph could represent.
If not possible, explain.



Toy Purchases



Toying with Measures

Name _____

	Mean	Median	Mode
Original Set of 6			

Make predictions based on these changes. Give reasons for your predictions.

Add a \$20 toy			
Reasons			
Return the \$1 toy			
Reasons			
Get a free toy			
Reasons			
Buy a second \$12 toy			
Reasons			
Your change:			
Reasons			

Calculate the actual statistics for each of the changes.

Add a \$20 toy			
Return the \$1 toy			
Get a free toy			
Buy a second \$12 toy			
Your change:			