

Estimating Number Math Lab Unit 2, 4

Equipment:

5-6 16 piece puzzles
Stopwatch
Computer
MS Excel

Objective:

Learn how to create graphs using MS Excel
Learn how to make rough estimates

Time: 45 Min.

Activity:

In this activity, you will get in teams of 4 or 5. You will be competing against other teams in the classroom on putting together a 16 piece puzzle. First you will need to estimate how long you think it will take your team to complete the puzzle.

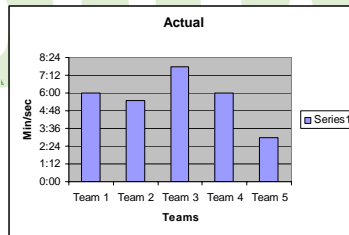
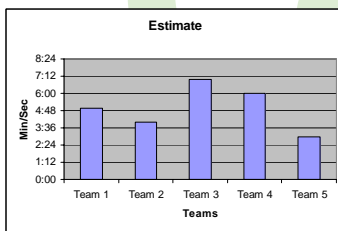
Team _____ Estimation: _____

Using a stopwatch or log onto stopwatch.com, time your team and record the actual time it takes to complete the puzzle.

Team _____ Actual Time: _____

When all teams have completed the puzzle, you will create a graph using the estimation time for all teams and create a graph using actual time for all teams using MS Excel.

Example:



Compare both charts and answer the following questions.

1. Which team came closest to their estimation time
2. Which team completed the puzzle the fastest?
3. Which team completed the puzzle last?
4. What is the time difference between the estimation and actual time for each team?