# The Game Zone

**A Place To Practice Your Math Skills**

# The Factor Fair

## GET READY!

**Players:** two teams
**Materials:** 36 index cards, tape

## GET SET!

- Number the index cards 1 through 36.
- Tape the index cards in order on the chalkboard.
- Divide the class into two teams.

## GO!

- Team A chooses one of the index cards, such as the 8 card, and takes it off the chalkboard. Team A gets 8 points. Team B gets all the cards that are factors of 8 that have not yet been taken. The sum of the factors are the points they receive. For example, Team B would receive 1 + 2 + 4, or 7 points.

| Team A | Team B |
|--------|--------|
| 8 | 1 |
|  | 2 |
|  | + 4 |
|  | 7 |

- Team B then chooses a card and gets those points.
- A team loses a turn if it selects an illegal number. A number is considered illegal if it does not have at least one factor available.
- Teams continue to take turns until there are no legal plays remaining.
- **Who Wins?** The team with the most points is the winner.

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