The Game Zone

Math Skill
Finding Square Roots

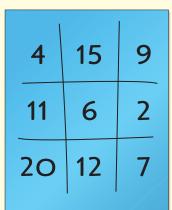## Tic Tac Root

GET READY!

Players: two to four
Materials: index cards, construction paper

GET SET!

- Use 20 index cards. On each card, write one of the following square roots.

$$\sqrt{1} \quad \sqrt{4} \quad \sqrt{9} \quad \sqrt{16}$$
$$\sqrt{25} \quad \sqrt{36} \quad \sqrt{49} \quad \sqrt{64}$$
$$\sqrt{81} \quad \sqrt{100} \quad \sqrt{121} \quad \sqrt{144}$$
$$\sqrt{169} \quad \sqrt{196} \quad \sqrt{225} \quad \sqrt{256}$$
$$\sqrt{289} \quad \sqrt{324} \quad \sqrt{361} \quad \sqrt{400}$$

- Each player should draw a tic-tac-toe board on construction paper. In each square, place a number from 1 to 20, but do not use any number more than once. See the sample board at the right.

4	15	9
11	6	2
20	12	7

GO!

- The dealer shuffles the index cards and places them facedown on the table.

- The player to the left of the dealer chooses the top index card and places it faceup. Any player with the matching square root on his or her board places an X on the appropriate square.

- The next player chooses the top index card and places it faceup on the last card chosen. Players mark their boards accordingly.

- **Who Wins?** The first player to get three Xs in a row wins the game.

John Evans