

The teddy bears' fraction picnic: The Birthday Cake game

You need:

Cakes cut into halves, quarters, thirds, fifths, sixths, eighths

A die showing 10, 12, 15, 16, 18, 20

(A wooden cube works well or put stickers over an existing die)

Counters

Rules:

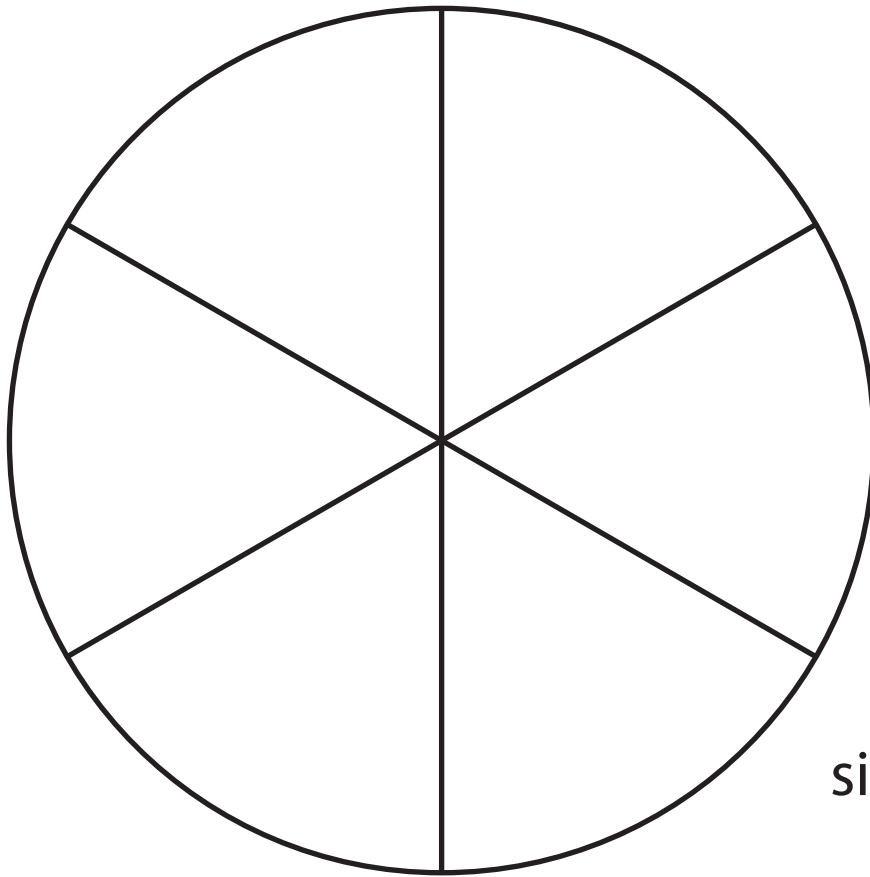
Players take turns to:

1. Roll the die.
2. Choose a cake so that the number of candles/jellybeans can be shared equally onto the cake so each piece will have the same number.
3. If the player is correct they keep that cake and it cannot be used again.
4. If they are wrong the cake stays in play.
5. The winner is the person with the most cakes when play finishes (and all the cakes are gone).

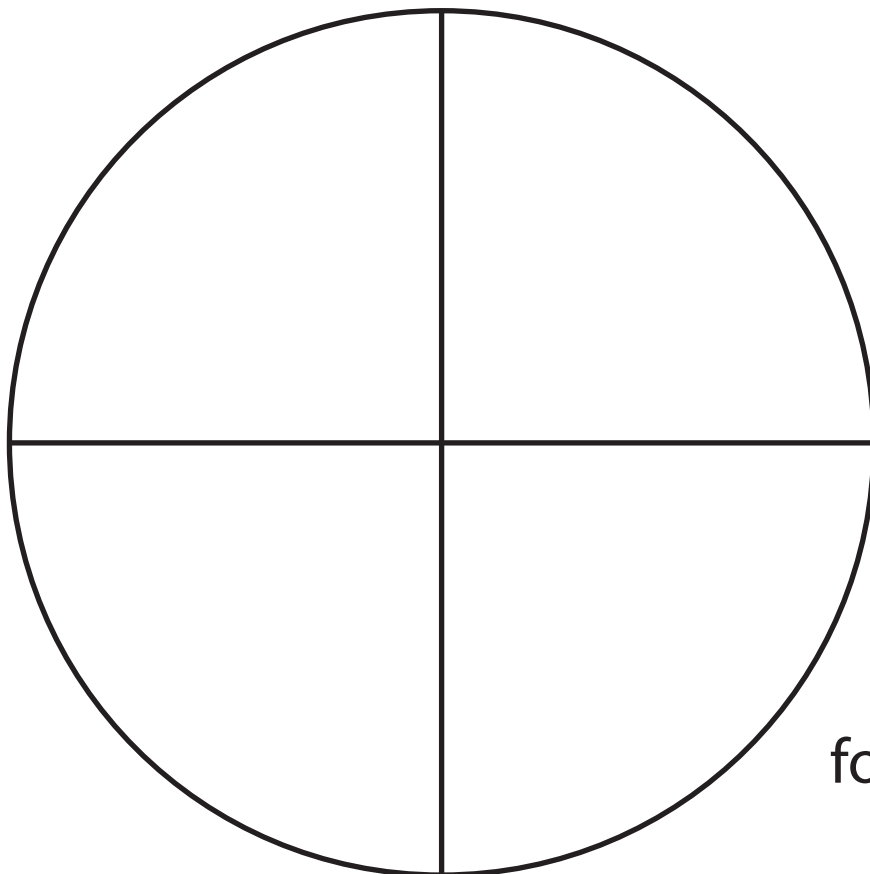
Modifications:

Change the cakes to include tenths, twelfths, ninths

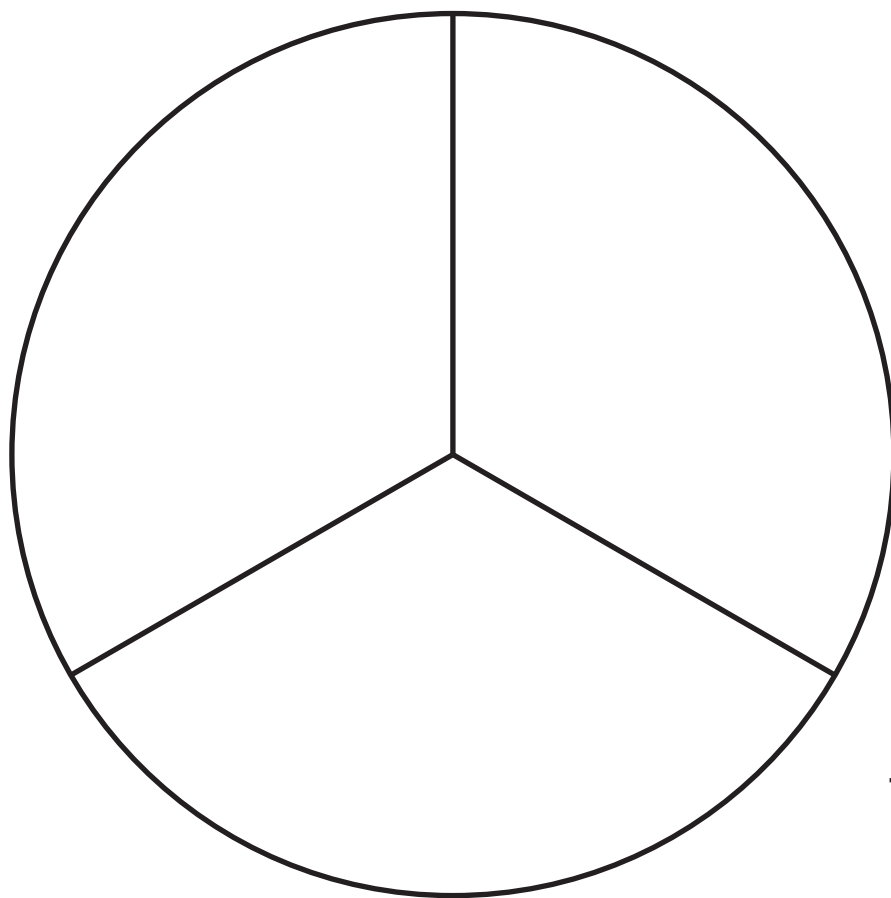
Change the die numbers to include larger numbers that have the die numbers as factors, e.g. 24, 25, 27, 30, 32, 36



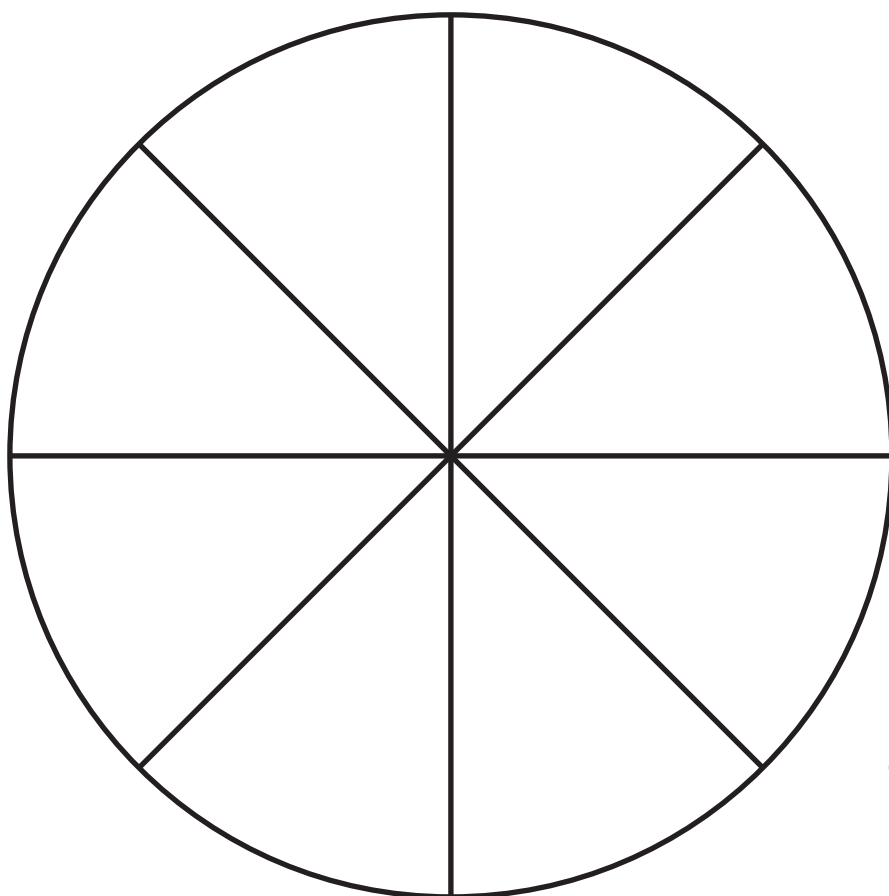
sixths



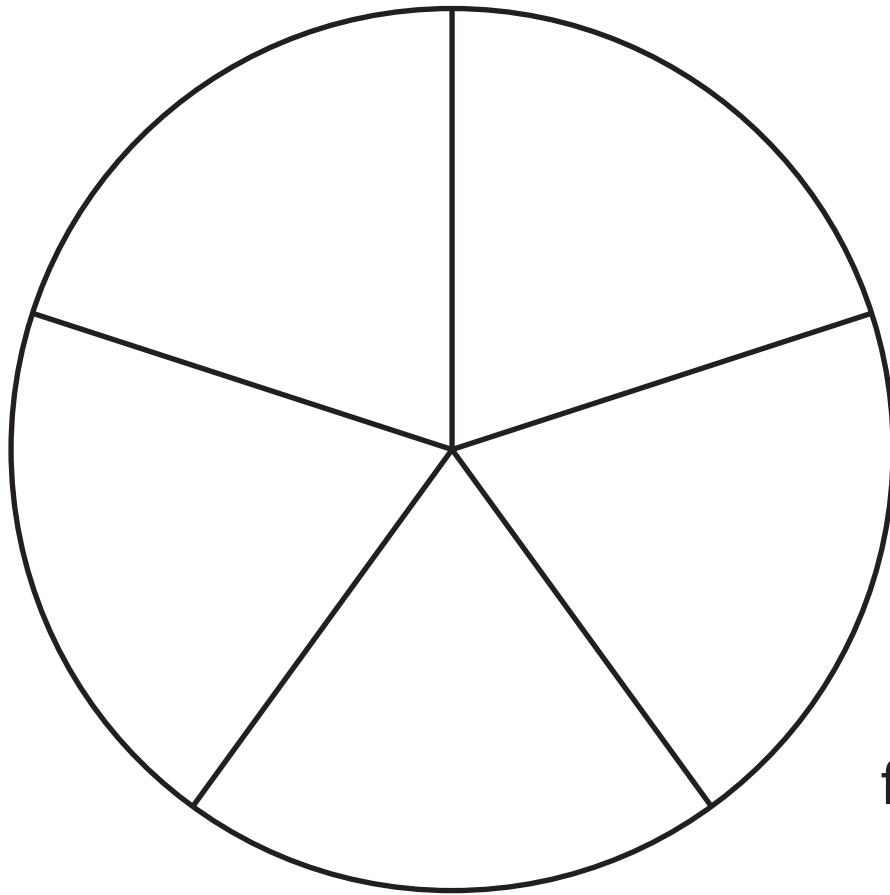
fourths



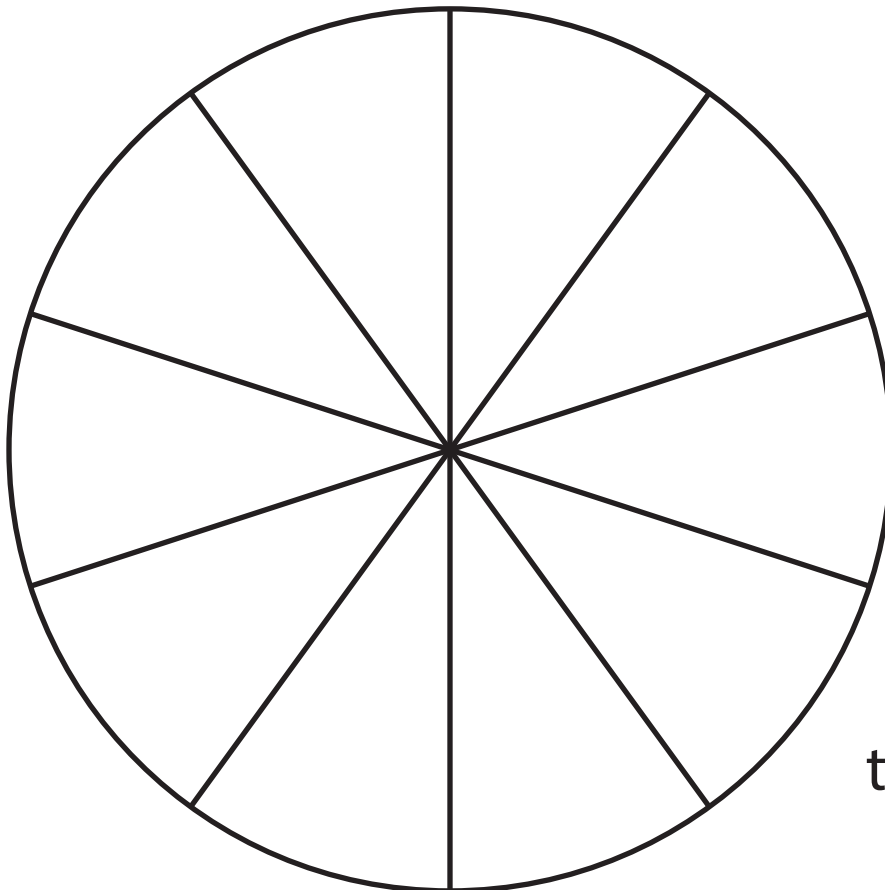
thirds



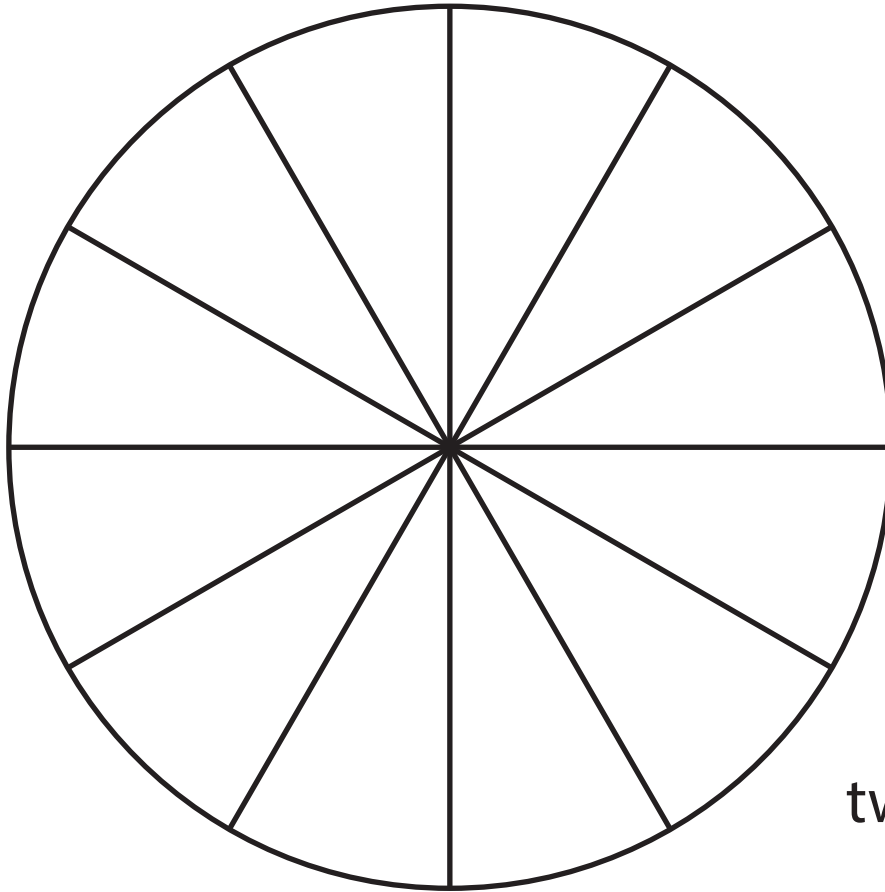
eighths



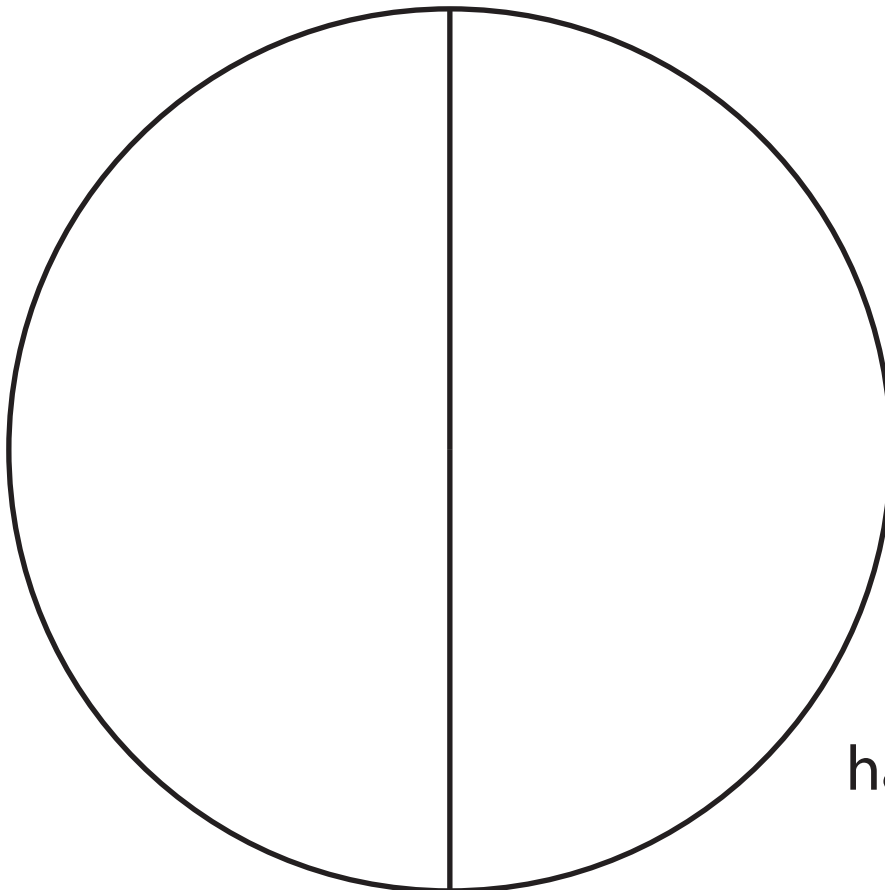
fifths



tenths



twelfths



halves