

Arrays and Factors


Family Note

Discuss with your child all the ways to arrange 18 chairs in equal rows. Then help your child use this information to list the factors of 18 (pairs of numbers whose product is 18).

Please return this Home Link to school tomorrow.



Work with someone at home.

The third-grade class is putting on a play. Children have invited 18 people. Gilda and Harvey are in charge of arranging the 18 chairs. They want to arrange them in rows with the same number of chairs in each row, with no chairs left over.

Yes or no: Can they arrange the chairs in ...	If yes, how many chairs in each row?
1 row? _____	_____ chairs
2 rows? _____	_____ chairs
3 rows? _____	_____ chairs
4 rows? _____	_____ chairs
5 rows? _____	_____ chairs
6 rows? _____	_____ chairs
7 rows? _____	_____ chairs
8 rows? _____	_____ chairs
9 rows? _____	_____ chairs
10 rows? _____	_____ chairs
18 rows? _____	_____ chairs

List all the factors of the number 18. (*Hint: 18 has exactly 6 factors.*)

How does knowing all the ways to arrange 18 chairs in equal rows help you find the factors of 18? Tell someone at home.
