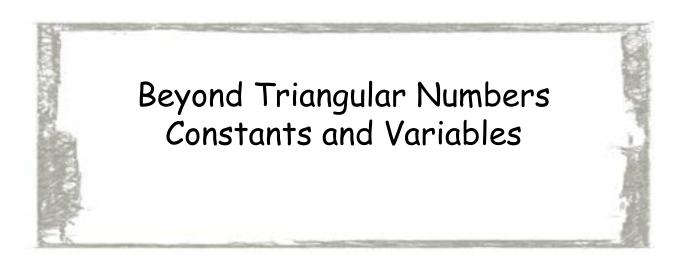
## Note Connections Math Activities



Patterning and Algebra



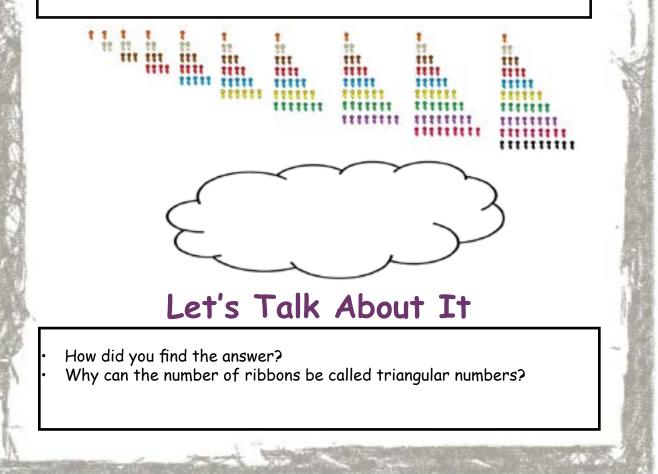
## **Beyond Triangular Numbers**

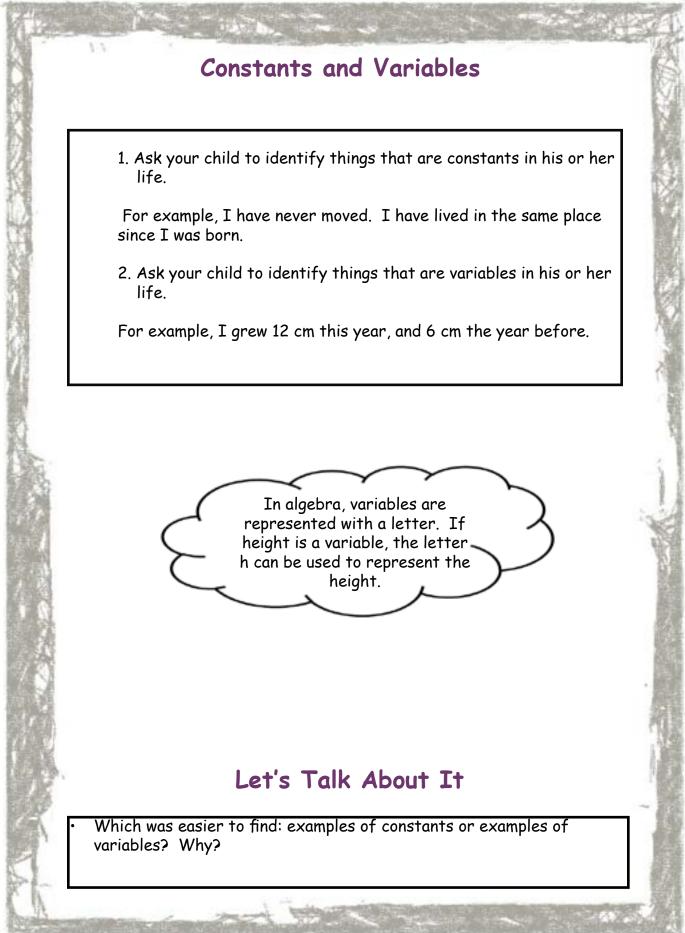
At a fun fair, Alex enters several contests and competitions every year.

The first year she wins 1 gold ribbon. The second year she wins 1 gold ribbon, and 2 silver ribbons. The third year she wins 1 gold ribbon, 2 silver ribbons, and 3 bronze ribbons. The fourth year she wins 1 gold ribbon, 2 silver ribbons, 3 bronze ribbons, and 4 red ribbons. The pattern continues and she wins more ribbons every year until on the tenth year she wins 1 gold ribbon, 2 silver ribbons, 3 bronze ribbons, 4 red ribbons, 5 blue ribbons, 6 yellow ribbons, 7 green ribbons, 8 purple ribbons, 9 pink ribbons, and 10 black ribbons.

Have your child draw a chart or diagram to show the solutions to the following questions.

- 1. Which colour of ribbon do you think Alex wins the most of during those 10 years?
- 2. Which colour of ribbon does Alex actually win the most of during those 10 years?





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