

Jingle Dresses- Relationships and Tables of Values

Subject: Mathematics

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Strand: Patterns and Relations

Grade: 6

Content (topic)	
Exploring Patterns and Equations	
Outcomes	Indicators
P6.3 Extend understanding of patterns and relationships by using expressions and equations involving variables.	P 6.3e: Generalize an expression that describes the relationship between the two columns in a table of values. P 6.3f: Write an equation to represent a table of values.
Lesson Preparation	
Equipment/materials: <ul style="list-style-type: none">• Each student needs a copy of the activity sheet (Appendix A).	
Presentation	
Development <ul style="list-style-type: none">• Tell your students about the origin of the jingle dress as described in the references or have them explore the websites themselves. Show your students one of the videos on YouTube of dancers performing the Jingle Dress Dance.• Two videos are in the references but YouTube contains many more.• If possible show the students a jingle dress or a jingle.• Have the students complete the activity sheet (Appendix A).	

References

<http://www.tpt.org/powwow/womjingle.html>

http://en.wikipedia.org/wiki/Jingle_dress

<http://www.youtube.com/watch?v=BZFefZKlR3g>

<http://www.youtube.com/watch?v=4iCNVcxEs9U>

Appendix A Activity Sheet

Ms. Wesaquate's class is going to make jingle dresses for use at the Standing Buffalo Powwow. They can buy jingles in packages of 100 for \$5 per package. It will cost \$13 to ship their order to them.

1. Make a table that shows the total cost if they order 1, 2, 3 and 4 packages of jingles.
2. In words, describe the pattern in the table.
3. Write an expression to represent the pattern in the table.
4. Test that your expression works for 7 packages.
5. Ms. Wesaquate has \$78 to spend on the jingles. How many packages can she order?
6. If the cost of shipping goes up to \$14, how will your answers to parts a to e change?