

Task 2: Planning a Virtual Event

Let’s explore the idea of planning an online event, such as a virtual celebration.

- The fixed or constant cost of using an online platform is a flat fee of \$75.00.
- The variable or multiplier cost per person is \$0.25 cents.

1. Use the information to create an algebraic expression.

2. How could you use the information provided to show the cost of 10 people, 50 people, 100 people and 500 people attending the celebration?

10 people	50 people	100 people	500 people

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3. If you were to create a table to represent the pattern, what would the “term number” on the left-hand side represent?

4. What would the “term value” represent?

5. Can you use this information to fill out the following table?

Term number	Term Value (\$)

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6. What do you notice? How could the table of values be helpful?

7. Can you determine a pattern rule using the information you've gathered?