**Algebra   
Unit 1 Line Master 8a**

A Day at the Fair

Answers

Darius is going to a fair for “Toonie Tuesday.”   
They will pay $8 admission plus $2 for each midway ride they take.

1. Complete the table of values.

|  |  |
| --- | --- |
| **Number of rides** | **Total cost ($)** |
| 0 | 8 |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |

2. a) Write an expression describing how much Darius will pay

depending on the number of rides they take.

b) Explain what the variable, coefficient, and constant represent   
 in your expression.

**Algebra   
Unit 1 Line Master 8b**

A Day at the Fair (cont’d)

Answers

3. Suppose Darius goes on 7 rides.

How much will they pay? How did you determine your answer?

4. Darius has a maximum of $30 to spend on admission and rides.

a) Write an equation to represent this situation.

b) How many rides can Darius take?