**Patterns and Relations**

**Unit 1 Line Master 9a**

A Day at the Fair

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

1. The expression 8 + 2*n* shows how much Darius will pay that day.

a) What does the variable *n* represent?

b) What does the coefficient 2 represent?

c) What does the constant 8 represent?

2. Complete the table below.

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

**Patterns and Relations**

**Unit 1 Line Master 9b**

A Day at the Fair (cont’d)

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 could you determine how many rides Darius could take?