

## 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  $8 + 2n$  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	

Name\_\_\_\_\_ Date\_\_\_\_\_

**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?