

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
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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?