

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. 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.

Name _____ Date _____

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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.
- Write an equation to represent this situation.
 - How many rides can Darius take?