

### **3<sup>rd</sup> grade math problem**

Maria makes bracelets. The first bracelet has two large beads and three small beads. The second bracelet has four large and six small beads. The third bracelet has six large and nine small beads. If this pattern continues, then how many large and small beads will the tenth bracelet have? How many large and small beads will the fiftieth bracelet have?

Extension: Maria makes the first bracelet in five minutes. Each size bracelet after that takes  $1\frac{1}{2}$  times as long. How long will it take to make the tenth and fiftieth bracelets?

### **4<sup>th</sup> grade math problem**

Ahmad is working to earn money for some markers that cost three dollars and fifty cents. It takes Ahmad twenty minutes to wash a car, and he earns fifty cents for each car he washes. Ahmad starts washing cars at 9:00 AM. At what time can he stop working?

Extension: Ahmad's father gives him ten percent extra if he finishes a car in under fifteen minutes. If Ahmad washes four cars in under fifteen minutes, then at what time can he stop working?

### **5<sup>th</sup> grade math problem**

Adam wants to eat a cheeseburger at Bill's Burgers. Adam's dad says that \$1.95 is  $\frac{1}{2}$  the cost of a cheeseburger. How much is the cheeseburger?

Extension: on Tuesdays, the burger is 30% less than the regular cost. How much is the burger on Tuesday? On Wednesdays, burgers are buy three get one free. How much is each burger on Wednesday? Which is a better deal?