**Problem:** Alicia bought 3 notebooks and 2 binders, and her sister agreed to pay for the notebooks. Unfortunately, Alicia can't remember the cost of the notebooks! She does remember that each binder cost \$1 more than each notebook and that she spent \$12 total. How much does Alicia's sister need to pay Alicia?



**Problem:** Philippe and Finn go to see a movie. Each buys a ticket for \$7 and a slushie, spending \$18 together. How much does one slushie cost?



**Problem:** 4x + 2x = 24



**Problem:** Jordan goes to the grocery store and buys one bag of chocolate, one bag of caramel, and one bag of lollipops. A bag of chocolate costs two dollars more than three times as much as a bag of caramel, and a bag of lollipops costs as much as buying a bag of caramel and a bag of chocolate. If Jordan spends 20 dollars for the three bags, how much does a bag of chocolate cost?



**Problem:** Kim is three years older than her sister Jess and half as old as her cousin Lexi. If they add their ages together, they get 37. How old is Jess?



**Problem:** 3(x+2) + 4x = 27



**Problem:** Jeremiah had a busy Saturday morning! Starting at 9:00 am, he cleaned his bedroom for a while. Then he helped his mom clean the garage for four times as long as he had spent cleaning his room. Finally he cooked breakfast with his sister for ten minutes fewer than the time he had spent cleaning his room, until 9:56am. How many minutes did Jeremiah spend cleaning his room in the morning?



**Problem:** Izumi is running the mile (4 laps) at a track meet. She knows that she can run her first lap in 75 seconds. Izumi also knows that her second and third laps are the same speed, while her final lap is normally 9 seconds faster than her third lap. If she wants to finish in 6 minutes, how fast should her second lap be? (Note: there are 60 seconds in 1 minute)



**Problem:** 5(x+5) - 2(2x+4) = 18



**Problem:** Jamal has three reading assignments to complete. In total he has to read 70 pages. Assignment 2 is twice as long as assignment 1, and assignment 3 is four times long as assignment 1. How many pages is his shortest assignment?



**Problem:** Malia and Megan ordered 3 pizzas and each pizza had 8 slices. Their friend Niver ate 4 slices of pizza, their friend Shayna ate twice as many pieces as Niver. Malia and Megan ate all of the remaining slices. How many slices did Malia and Megan eat?



**Problem:** 2(2x + 5 + x) + 10 - x = 60



**Problem:** Shailee and Sofia are on a roadtrip to see their grandparents. They drive for a while before stopping for lunch. After that, they drive again for 3 hours before getting gas. Before reaching their grandparents house, they drive 1 hour less than twice as long as they drove before the first stop. In total, they drove 14 hours on their trip. How long did they drive before the first stop, for lunch?



**Problem:** Marcos picked up three books from the library. *The Uglies* is twice as long as *A Wrinkle In Time*, and *A Wrinkle In Time* is forty pages longer than *The BFG*. Altogether, the three books have 960 pages. How many pages long is *The BFG*?





**Problem:** 3(x + 8) + 2(x + 1) = 36