

Using Algebra to Solve Problems

1. I got paid a bonus of \$20, then an hourly wage of \$15 / hour. I earned \$320. How many hours did I work?

$$P = 20 + 15h$$

2. If Ms. Stonehouse is 150 cm tall, how many 11 cm cups would we have to stack to match her height?

$$h = 11c$$

3. Cell company A charges \$ 25 + \$ 0.05 per text. Cell company B charges \$ 0.10 per text. Cell company C charges \$50 for unlimited texts. Which one is cheaper if you text 100 times? 1000 times?

$$C = 50$$

$$C = 25 + 0.05t$$

$$C = 0.10t$$