

Today's Learning Goals:

Use the simple interest formula to find interest earned or paid, annual interest rates, and amounts paid on loans.

What is **Interest?**

Amount charged for _or using money







What is **Balance?**

The _____ amount of money _____.



Vocabulary Principle The amount that is Image: Contract of the principle interest is always done in genres Image: Contract of the principle interest is always done in genres

Getting to know the vocabulary

Josh borrowed \$2000 from Jason. Jason is charging 10% for every year that Josh borrows it. <u>How much interest will Josh have to pay in</u> <u>4 years? How much is his total balance?</u> Find the amount of interest and the balance.

1) P = \$600 r = 5% t = 5 years *I* = *Prt*

Find the amount of interest and the balance.

- How many months are 2) **P** = \$4500 I = Prtr = 10% there in a year? t = 6 years How do you convert months to fractions/decimals of a year? Write the following as parts of a year: 3) 6 months 7) 18 months 4) 3 months 5) 9 months 6) 6 months Find the amount of interest and the balance. Find the amount of interest and the balance. 8) **P** = \$1200 9) **P** = \$7000 I = PrtI = Prtr = 5% r = 5.5%
 - t = 3 months

t = 18 months

Find the amount of borrowed (principle).	Find the interest rate.
10) I = \$68 P = ? r = 4% t = 2 years	11) I = \$6.75 P = \$90 r = ? t = 3 years I = Prt
12. You deposit \$2000 in a savings account for 3 months. If the annual simple interest rate is 4.1%, how much interest will you earn?	13. You borrow \$120. After 9 months, you pay back the \$120 plus interest of \$5.40. What is the annual simple interest rate?
13. You borrow \$4500 for 9 months. If the annual simple interest rate is 8%, how much interest will you owe?	14. You deposit \$800 at 7.5%. How long will it take to earn \$15 interest?