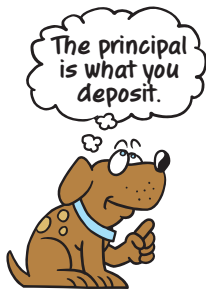


Simple Interest

Name _____

Key Concept and Vocabulary



$$I = Prt$$

$$\$200 = (\$2000)(0.05)(2)$$

↑ interest ↑ principal ↑ time in years

rate as decimal



PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

1. **TIME IN YEARS** Complete the table.

1 month	3 months	4 months	6 months	1 year	2 years
$t = \frac{1}{12}$	$t = \frac{1}{4}$	$t = \frac{1}{3}$	$t = \frac{1}{2}$	$t = 1$	$t = 2$

2. **RATE AS A DECIMAL** Complete the table.

3% per yr	4% per yr	5% per yr	6% per yr	6.5% per yr	10% per yr
$r = 0.03$	$r = 0.04$	$r = 0.05$	$r = 0.06$	$r = 0.065$	$r = 0.1$

Find the interest earned in the savings account.

3. Principal = \$2000
Rate = 5% per year
Time = 6 months

$$I = \$ 50$$

4. Principal = \$2000
Rate = 6% per year
Time = 6 months

$$I = \$ 60$$

5. Principal = \$10,000
Rate = 4% per year
Time = 6 years

$$I = \$ 2400$$

6. Principal = \$10,000
Rate = 6% per year
Time = 6 years

$$I = \$ 3600$$

