

Investing Money

1. Calculate.

- a) $500 \times 0.03 =$ _____
 b) $1.25 \times 137.6 =$ _____
 c) $(1250)(0.25)(3) =$ _____
 d) $18.5 \times \frac{73}{365} =$ _____

2. Write each percent as a decimal.

- a) 8% = _____
 b) 12.5% = _____
 c) 73.4% = _____
 d) 0.79% = _____
 a) 1% of 1500 = _____
 b) 10% of 45 = _____
 c) 25% of 80 = _____
 d) 0.1% of 6000 = _____

Hint

Write each percent as a decimal before calculating.

4. Calculate each percent to one decimal place.

- a) 7% of 2000 = _____
 b) 13.5% of 240 = _____
 c) 0.5% of 528 = _____
 d) 8.25% of 290 = _____

5. Solve for x .

- a) $2x = 12$
 $x =$ _____
 b) $7x = 21$
 $x =$ _____
 c) $x - 7 = 32$
 $x =$ _____
 d) $\frac{x}{5} = 45$
 $x =$ _____

6. Solve for each variable.

- a) $4d + 15 = 295$
 b) $11s + 8 = 96$
 c) $\frac{p}{3} - 15 = 120$
 d) $6.5t + 73 = 83.4$

7. Substitute and solve.

- a) $P = 2I + 2W$
 $I = 4, W = 1.5$
 $P = 2(\underline{\quad}) + \underline{\quad} = \underline{\quad} W$
 $P = \underline{\quad} \underline{\quad} = W$
 b) $A = Iw$
 $I = 3, A = 12$

8. Write each length of time as a fraction of the unit given.

- a) 3 wk = $\frac{\square}{52}$ yr
 b) 7 wk = $\frac{\square}{\square}$ yr
 c) 23 d = $\frac{\square}{\square}$ mo
 d) 5 mo = $\frac{\square}{\square}$ yr

Hint

Use
 1 yr (year) = 365 d (days)
 = 52 wk (weeks)
 = 12 mo (months)
 1 mo = 30 d

9. Rahm decided to put some money in the bank for 1.36 yr.

- a) How long is this in days? Round up.
 $1.36 \text{ yr} \times \underline{\quad} \text{ d/yr}$ is about _____ d
 b) How long is this in weeks? Round up.
 $1.36 \text{ yr} \times \underline{\quad} \text{ wk/yr}$ is about _____ wk

