

# computing mortgage payments answer key

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Using the following mortgage payment factors, calculate the monthly mortgage payment for the following situations.

## **mortgage payment factors**

(principal and interest factors per \$1,000 of loan amount)

<b>Term Rate</b>	<b>30 Years</b>	<b>25 Years</b>	<b>20 Years</b>	<b>15 Years</b>
6.0%	\$6.00	\$6.44	\$7.16	\$8.43
6.5	6.32	6.67	7.45	8.71
7.0	6.65	7.06	7.75	8.98
7.5	6.99	7.39	8.06	9.27
8.0	7.34	7.72	8.36	9.56
8.5	7.69	8.05	8.68	9.85
9.0	8.05	8.39	9.00	10.14
9.5	8.41	8.74	9.32	10.44
10.0	8.78	9.09	9.65	10.75
10.5	9.15	9.44	9.98	11.05
11.0	9.52	9.80	10.32	11.37
11.5	9.90	10.16	10.66	11.68
12.0	10.29	10.53	11.01	12.00
12.5	10.67	10.90	11.36	12.33
13.0	11.06	11.28	11.72	12.65
13.5	11.45	11.66	12.07	12.98
14.0	11.85	12.04	12.44	13.32
14.5	12.25	12.42	12.80	13.66
15.0	12.64	12.81	13.17	14.00

**Example: A 30-year mortgage at 9 percent for \$80,000.**

**Calculations: \$8.05 from table times 80 (for \$80,000) equals \$644**

1. A 15-year mortgage at 8.5 percent for \$75,000.  $\underline{\$9.85 \times 75 = \$738.75}$
2. A 30-year mortgage at 8 percent for \$95,000.  $\underline{\$7.34 \times 95 = \$697.30}$
3. A 20-year mortgage at 7 percent for \$155,000.  $\underline{\$7.75 \times 155 = \$1,201.25}$
4. A 30-year mortgage at 7.5 percent for \$60,000.  $\underline{\$6.99 \times 60 = \$419.40}$