Utility Industry Math Boot Camp
Mathematics Manual

In summary:

Problem type	Given	Missing	#	Equation to Use
15 is what percent of 60?	Part = 15 Whole = 60	*Percent*	1.	$\textbf{\textit{Percent}} = \frac{\textbf{Part}}{\textbf{Whole}} \bullet \textbf{100\%}$
5% of 120 = ?	Percent = 5% Whole = 120	*Part*	2.	$\textbf{\textit{Part}} = \frac{\textbf{Percent}}{\textbf{100\%}} \bullet \textbf{Whole}$
25% of what number is 75?	Percent = 25% Part = 75	*Whole*	3.	$\textbf{\textit{Whole}} = \frac{\textbf{100\%}}{\textbf{Percent}} \bullet \textbf{Part}$

7. Solve the following miscellaneous percent problems. (answers, page 269)

a.	30 is what % of 60?	b.	5% of 820 =	c.	50% of what # = 45
d.	12.5% of 8 =	e.	10% of 7,800 =	f.	75% of 48 =
g.	9 is what % of 90?	h.	What is 20% of 35?	i.	20% of what # is 75?
j.	40% of 60 =	k.	40% of what # = 120?	l.	12 is what % of 60?
m.	30 is what % of 48?	n.	16 is what % of 20?	o.	14 is what % of 35?
p.	25% of what # is 6?	q.	What is 80% of 5000?	r.	62.5% of what # is 6.25?
s.	1 is what % of 10,000?	t.	$12\frac{1}{2}$% of 64 =	u.	40% of what # = 40
v.	25% of what # = 1	w.	10 is what % of 500?	x.	0.5% of what # = 10
y.	87.5% of 1,000 =	z.	50 is what % of 0.5?		9,000 is what % of 0.003?