

Open Array

Of Division

$$1578 / 45 = n$$

$$560 / 8 = n$$

X20 x10 x5 (20+10+5=35)
n=35 R3

X70 n=70

	900	450	225
45			

900
450
225

1,575

	560
8	560

Get close with out going over 1,578.
We have 3 remaining.

$$35 \text{ R}3 \text{ or } 35 \frac{3}{45}$$

Basic facts of $8 \times 7 = 56$. Use your basic facts with the power of 10, $8 \times 70 = 560$

Ratio Table

Of Division

$$1578 / 45 = n$$

$$560 / 8 = n$$

	x10	Double	10+20	half of 10	30+5	
	1	10	20	30	5	35 R3
	45	450	900	1350	225	1575 R3
		(450+900) = 1350		(1,350 +225=1,575)		

	x10	x7	
	1	10	70
	8	80	560

Divisor is what your working with to get to your dividend, once you get close to your dividend with out going over you have found your quotient. You may have a reminder.

Multiply your divisor by 10, you know that $8 \times 7 = 56$, so $80 \times 7 = 560$
Fast math facts with powers of 10!

Partial Quotients

Of Division

$$1578 / 45 = n$$

$$560 / 8 = n$$

35 R3

45	1578	
- 450		10 (45×10)
	1128	
- 900		20 (20×45)
	228	
- 225		+5 (5×45)
	3	35

70

8	560	
- 400		50 (50×8)
	160	
- 160		20 (20×8)
	0	70

70

8	560	
- 560		70 (70×8)
	0	

you know your
basic fact of
 $7 \times 8 = 56$, so you
should know
 $70 \times 8 = 560$