

Rule of Three Inverse

When more Does more or Less do Less Propects

It is a question in the Rule Direct

but when more wants Less or Less wants more

It is inverse from that which wants before

Examples

If 48 Men can build a wall in 24 Days how many men can do the same in 192 days

If	D	Men	D
	24	48	192
		24	
		<u>192</u>	
		96	
192		<u>1152</u>	6 Men Answer
		1152	

If £100 Principal gain in 12 Months 6 Interest, what principal will gain the same in 8 Months, Answer

If	M ^o	£	M ^o
	12	100	8
		12	
8		<u>1200</u>	
		£150	Answer

If	Days	Men	Days
	192	6	24
		6	
		<u>1152</u>	
24		<u>288</u>	Proof per Turn Every
		48	

If	M ^o	£	M ^o
	8	150	12
		8	
12		<u>1200</u>	
		£100	Proof

If how many yards of Mutton that is
 1/2 yard wide will cover a Room
 that is 25 feet sides and 35
 long Demand

10 feet	feet	yd
07325	35	1/2
8 1/2	16	
16 2/3	210	
	35	
	23 1/3	
	3583	
	194 1/3	Answer

If I lend my friend 100 £ for 6
 Months allowing 30 Days to the
 Month, how long ought he to lend me
 1000 £ to make good my kindness
 Demand — Tom Perry Junior 1773

100	Days	£	}	Days
1000	180	1000	}	30
	100		}	6
	18000		}	180
1000	18000			
	18 Days	Answer		

1000	Days	£
100	18	100
	1000	
100	18000	
	180	Proof

If a footman perform a jour-
 ney in 3 Days when the Days
 are 16 Hours long how many
 Days will he require of 12
 hours long; Demand

No	Days	Hours
16	3	12
	3	
12	48	Answer
	4	8

If I will pay for the Carriage
 of an C weight 150 Miles how
 fare may 6 C weights be
 Carried for the same money

C	Miles	C
1	150	6
	1	
6	150	Answer
	25	Miles

C	Miles	C
6	25	1
	6	
1	150	Proof
	150	Miles

How much in length that is 3
Inches broad, will make a foot
Square; Demand

$$\begin{array}{r} \text{ft} \quad \text{Inches} \quad \text{Inches} \\ \text{ft} \quad 12 \quad \cdot \cdot \quad 12 \quad \cdot \cdot \quad 3 \\ \quad \quad \quad 12 \\ \hline 3 \overline{) 144} \\ \quad \underline{12} \\ \quad \quad 24 \\ \quad \quad \underline{24} \\ \quad \quad \quad 0 \end{array}$$

Answer

A 15 worth of Wine will serve 48
Men when the Tun is worth 12 £
How many men will the same 15 £
worth serve when the Tun is at 8
Demand. Thomas Perry Junior

$$\begin{array}{r} \text{ft} \quad \text{ft} \quad \text{ft} \\ \text{ft} \quad 12 \quad \cdot \cdot \quad 48 \quad \cdot \cdot \quad 8 \\ \quad \quad \quad 12 \\ \hline 8 \overline{) 576} \\ \quad \underline{72} \\ \quad \quad 0 \end{array}$$

Answer

How many yards of Mattin 2 feet
wide will cover a floor 26 feet long
& 22 feet wide Demand

$$\begin{array}{r} \text{ft} \quad \text{ft} \quad \text{ft} \\ \text{ft} \quad 22 \quad \cdot \cdot \quad 26 \quad \cdot \cdot \quad 2 \\ \quad \quad \quad 22 \\ \hline \quad \quad 52 \\ \quad \quad \underline{52} \\ \quad \quad \quad 0 \\ \hline 2 \overline{) 572} \\ \quad \underline{286} \\ \quad \quad 0 \end{array}$$

yards $95 \frac{1}{3}$ Answer

A Colonel is besieged in a Town in
which are 1000 Soldiers with pro-
visions only for 3 Months, the ques-
tion is how many of his men he must
Dismiss to make the Provision last
6 Months; Demand Tom Perry

$$\begin{array}{r} \text{ft} \quad \text{ft} \quad \text{ft} \\ \text{ft} \quad 3 \quad \cdot \cdot \quad 1000 \quad \cdot \cdot \quad 6 \\ \quad \quad \quad 3 \\ \hline 6 \overline{) 3000} \\ \quad \underline{500} \\ \quad \quad 0 \end{array}$$

Answer

How many yards of Shalloon that is
 $\frac{3}{4}$ wide, will line a Cart that hath
in it $1 \frac{3}{4}$ yards that is $\frac{7}{8}$ wide

$$\begin{array}{r} \text{ft} \quad \text{ft} \quad \text{ft} \\ \text{ft} \quad 7 \frac{3}{4} \quad \cdot \cdot \quad 1 \frac{3}{4} \quad \cdot \cdot \quad \frac{3}{8} \\ \quad \quad \quad \frac{3}{4} \\ \hline \quad \quad 7 \\ \hline \frac{3}{8} \overline{) 49} \\ \quad \underline{16 \frac{1}{4}} \\ \quad \quad 0 \end{array}$$

Answer in yards

How many yards of Mattin will
Cover a floor 16 feet long and 12
feet wide Demand Tom Perry

$$\begin{array}{r} \text{ft} \quad \text{ft} \quad \text{ft} \\ \text{ft} \quad 12 \quad \cdot \cdot \quad 16 \quad \cdot \cdot \quad 2 \\ \quad \quad \quad 12 \\ \hline 2 \overline{) 192} \\ \quad \underline{96} \\ \quad \quad 0 \end{array}$$

yards Answer

A Regiment of 1000 Soldiers
are to have new Coats to contain each
 $2\frac{1}{2}$ yards of cloth that is 5 quarters
wide and they are to be lined with
Shalloon that is 3 Quarters wide
Demande How many yards of Shal-
loon will line these Thomas Pursey

$$\begin{array}{r}
 \text{Yds} \quad \text{qrs} \quad \text{Ans} \\
 \text{A } 5 \text{ " } 2\frac{1}{2} \text{ " } 3 \\
 \hline
 10 \\
 5 \\
 \hline
 3 \overline{) 50} \\
 16\frac{2}{3} \text{ being one Coat} \\
 \hline
 50
 \end{array}$$

$$\begin{array}{r}
 \text{Soldiers} \\
 1000 \\
 50 \\
 \hline
 3 \overline{) 50000} \\
 4 \overline{) 16666\frac{2}{3}} \text{ Quarters of yards} \\
 \hline
 4166\frac{2}{3} \text{ yards Answer}
 \end{array}$$

$$\begin{array}{r}
 \text{Yds} \quad \text{Soldiers} \quad \text{Ans} \\
 \text{A } 5 \text{ " } 1000 \text{ " } 3 \\
 \hline
 10 \\
 5 \\
 \hline
 3 \overline{) 50000} \\
 4 \overline{) 16666\frac{2}{3}} \text{ Quarters of yards} \\
 \hline
 4166\frac{2}{3} \text{ Proof}
 \end{array}$$

Thomas Pursey

Borrowed of my friends £
for 8 Months and he hath occasion
at another time to borrow of me for
12 Months Desire to know how
much I must lend him to make
good his former kindness to me

$$\begin{array}{r}
 \text{Yrs} \quad \text{£} \quad \text{Months} \\
 \text{A } 8 \text{ " } 75 \text{ " } 12 \\
 \hline
 8 \\
 12 \overline{) 600} \\
 \hline
 50 \text{ Answer}
 \end{array}$$

$$\begin{array}{r}
 \text{Yrs} \quad \text{£} \quad \text{Months} \\
 \text{A } 12 \text{ " } 50 \text{ " } 8 \\
 \hline
 12 \\
 8 \overline{) 600} \\
 \hline
 £ 75 \text{ Proof}
 \end{array}$$

Borrowed of my friends £
for 5 Months
and he hath occasion at another time to bor-
row of me for 12 Months how much
must I lend him to make good his
former kindness to me Tom Pursey

$$\begin{array}{r}
 \text{Yrs} \quad \text{£} \quad \text{Months} \\
 \text{A } 5 \text{ " } 30 \text{ " } 12 \\
 \hline
 5 \\
 12 \overline{) 150} \\
 \hline
 12 \text{ " } 10 \text{ Answer}
 \end{array}$$

