

(50)

A can do the whole work in 24 days, hence in 1 day he can do  $\frac{1}{24}$  of it.

B can do the whole work in 30 days, therefore in 1 day he can do  $\frac{1}{30}$  of it.

In 7 days A does  $\frac{7}{24}$  of the work, leaving  $\frac{17}{24}$  to be done by A and B together.

Then  $\frac{1}{24} + \frac{1}{30} = \frac{8}{120} =$  work done by A and B together.

$$\frac{17}{24} \div \frac{8}{120} = \frac{17}{24} \times \frac{120}{8} = \frac{17 \times 5}{3 \times 3} = \frac{85}{9} = 9\frac{4}{9} \text{ days.}$$

(51)

2 lbs. 3 oz. 4 dwt. = 13056 grains.

11 lbs. 7 oz. 9 dwt. 4 grs. = 66940 grains

$$\frac{13056}{66940} = \frac{3264}{16735}$$

(52)

£493 16s 4½d = 237033 half-pence

£8 11s 7d = 4118 "

$$237033 \div 4118 = 57\frac{397}{1118}$$

(53)

Assu'e 20	5..8..11..14..16..20..22..176..616..42
Assu'e 21	44..154..21
	44.. 22

$$l. c. m. = 20 \times 21 \times 44 = 18480$$

(54)

\$5.34 × 419 = \$2237.46 = value of flour

\$2237.46 × .1125 = \$251.71425 = commission.