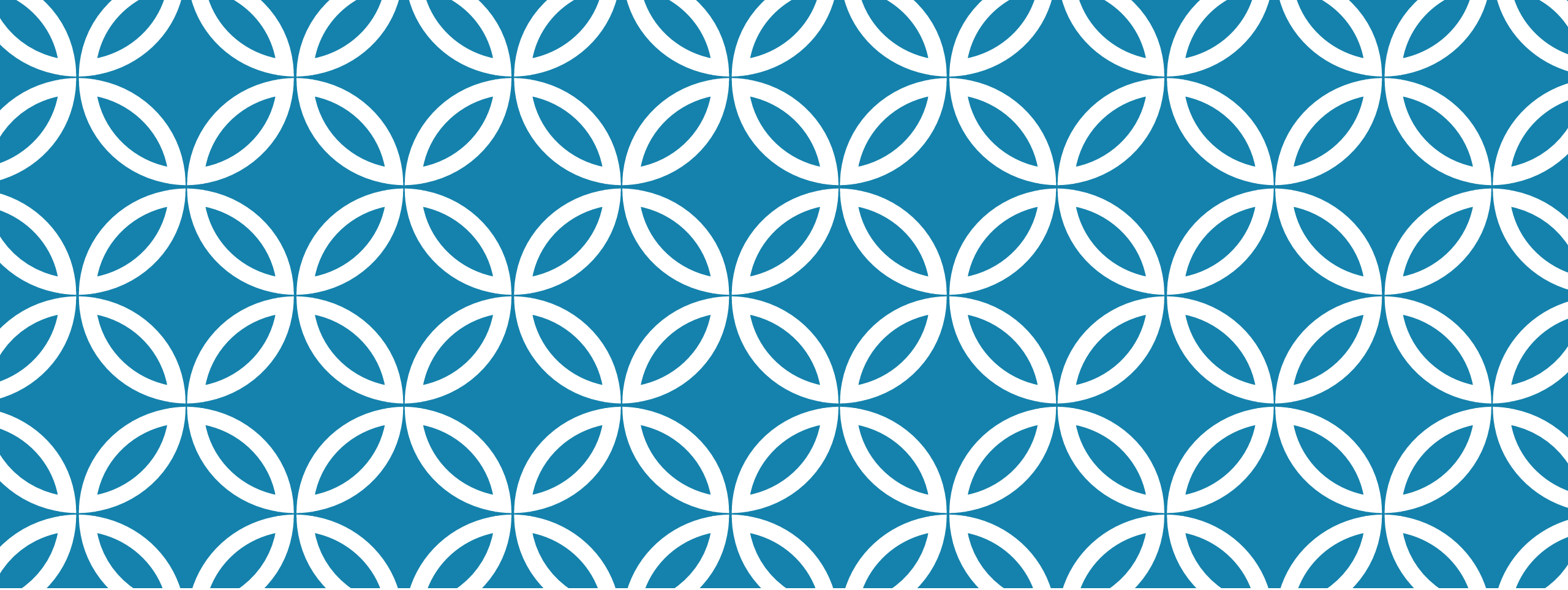

WORK AND WAGES

A alone can do A piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C they completed the work in 3 days. How much is to be paid to C?

C's 1 day's work $= \frac{1}{3} - (\frac{1}{6} + \frac{1}{8}) = \frac{1}{3} - \frac{7}{24} = \frac{1}{24}$

A's wages : B's wages : C's wages $\frac{1}{6} : \frac{1}{8} : \frac{1}{24} = 4 : 3 : 1$

C's share $= \frac{1}{8} \times 3200 = \text{Rs. } 400$

A alone can complete a piece of work for Rs 300 in 6 days but by engaging an assistant the work is completed in 4 days. find the share received by the Assistant

Assistant's 1 day work $= \frac{1}{4} - \frac{1}{6} = \frac{1}{12}$

A's Share : Assistant's Share = Ratio of their 1 day work

$$= \frac{1}{6} : \frac{1}{12} = 2:1$$

Hence Assistant's share $= 300 \times \frac{1}{3} = Rs.100$

A and B undertake to do a piece of work for Rs.600. A alone can do it in 6 days while B alone can do it in 8 days. With the help of C they finish it in 3 days. Find B's share.

$$\text{C's 1 day work} = \frac{1}{3} - \left(\frac{1}{6} + \frac{1}{8}\right) = \frac{1}{24}$$

$$\text{A:B:C} = \text{Ratio of their 1 day's work} = \frac{1}{6} : \frac{1}{8} : \frac{1}{24} =$$

$$4 : 3 : 1$$

$$\text{A's share} = 600 \times \frac{4}{8} = Rs.300$$

$$\text{B's Share} = 600 \times \frac{3}{8} = \text{Rs. } 225$$

$$\text{C's Share} = 600 \times \frac{1}{8} = Rs.75$$

A, B and C contract a work for Rs. 2750 together B and C are supposed to do 7/11 of the work. How much does A get?

B+C did 7/11 of work

A did 1- 7/11 = 4/11 of work

(B+C)'s share : A' share = 7/11 : 4/11 = 7:4

A's share = 4/11 ×2750 = Rs. 1000

P, Q together earn Rs. 188 per day. Q & R together earn Rs 152 per day. P, Q, R when working together earn Rs.300 per day. How much does Q earn daily.

$P+Q+R = 300$ (i)

$P+Q = 188$ (ii)

$Q+R = 152$ (iii)

(ii) + (iii)

$P+Q+Q+R = 188+152 = 340$

$Q+(P+Q+R) = 340$

$Q+300 = 340$

$Q = 40$

Johnny employs 8 workers to work for 6 hours per day. In total he pays them Rs 630 for a week. How much should Jonny pay 18 workers working 4 hours per day of a week

6hours per day for a week = $6 \times 7 = 42$hrs

8 workers for 42 hrs get Rs 630

8 workers for 1 hr = $630/42$

1 worker for 1 hr = $630/8 \times 42 = 15/8$

18 workers for 1 hr = $18 \times 15/8 = 135/4$

4 hrs per week = $4 \times 7 = 28$ hrs

18 hrs for 28 hrs = $28 \times 135/4 = 945$