

Q1. (2018)

10 y is inversely proportional to x .

Complete the table.

[2 marks]

x	12	6	
y		4	8

Q2. (2020)

22 (b) m is inversely proportional to $\sqrt{r}$ The value of r is multiplied by 4Circle what happens to the value of m .

[1 mark]

☐ $\times 2$
☐ $\times 16$
☐ $\div 2$
☐ $\div 16$

Q3. (2022)

14 15 workers can complete a job in 8 days.

How many **more** workers are needed to complete the job in 6 days?

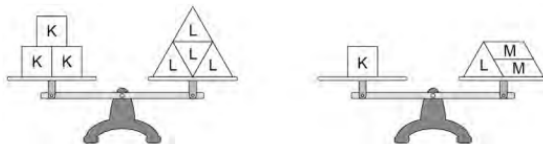
Assume that all of the workers work at the same rate.

[3 marks]

Q4. (2023)

20 K, L and M are weights.

Both of the scales balance exactly.



How many M weights are needed to balance one L weight?

[3 marks]