

Powers of Ten Flags

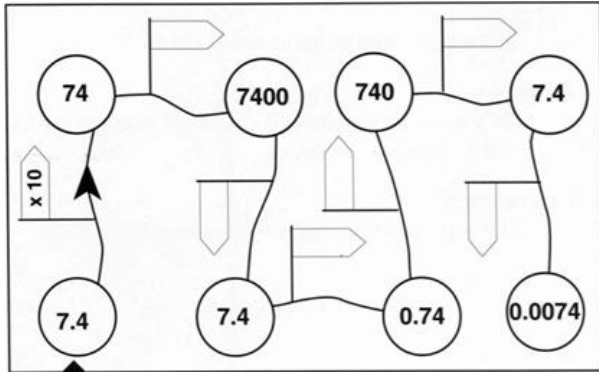
Fill in the flags to show which operation you need to use.

Choose from:

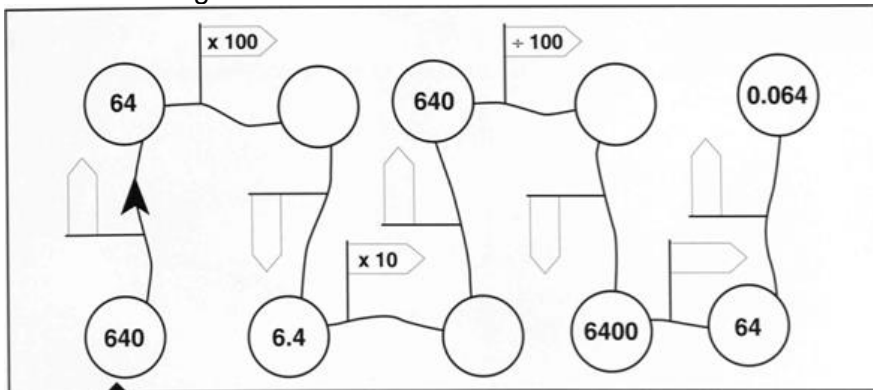
$$\times 10 = 10$$

$$\times 100 = 100$$

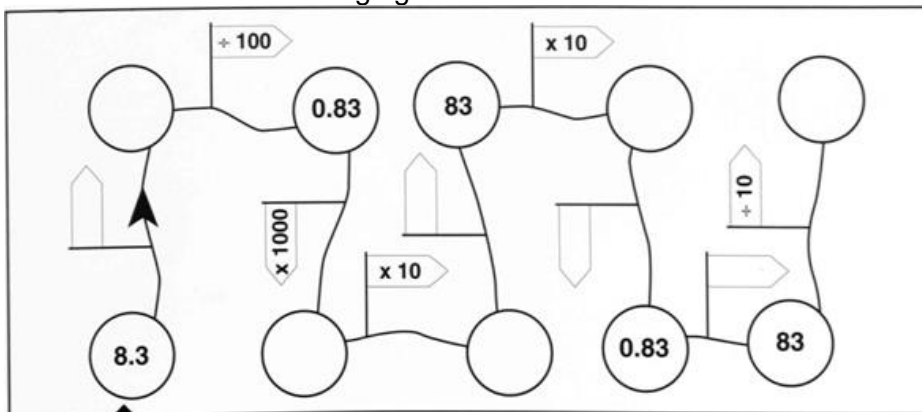
$$\times 1000 = 1000$$



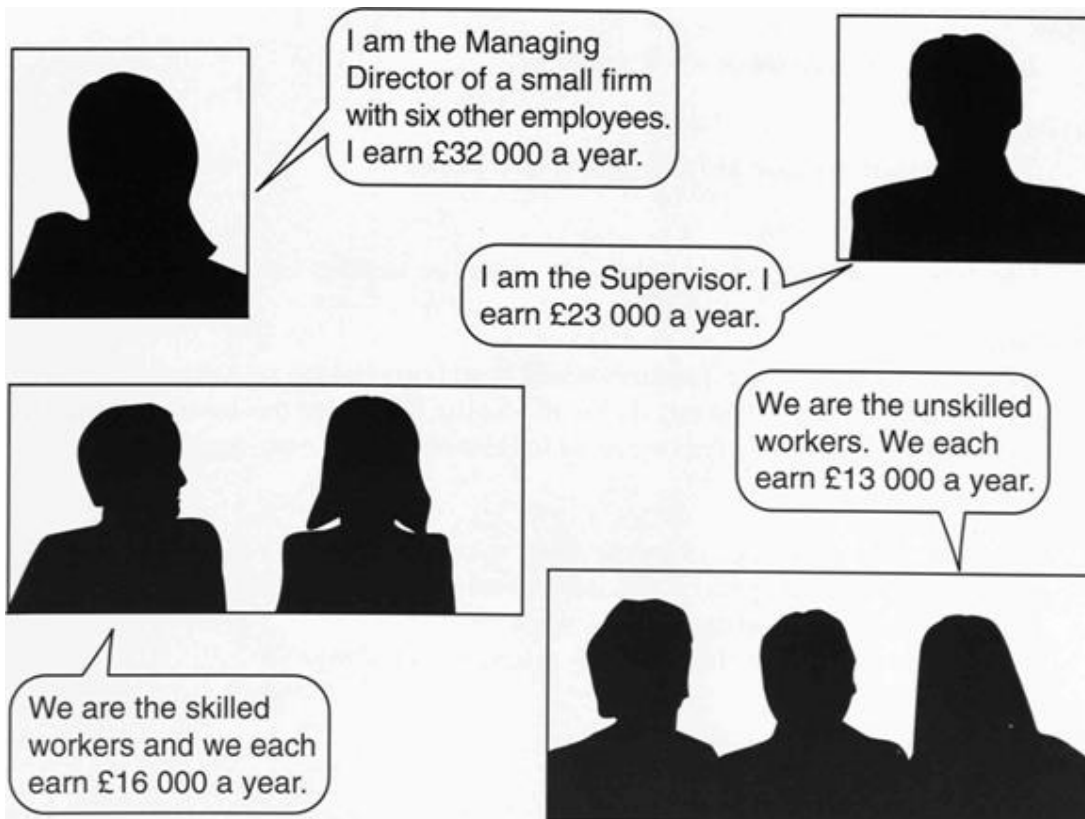
2. Fill in the flags and the circles



3. This one is more challenging



Wage Bargaining



The Managing Director and the union are negotiating a pay rise. There is only enough money available to fund a 10% increase in the total salary bill.

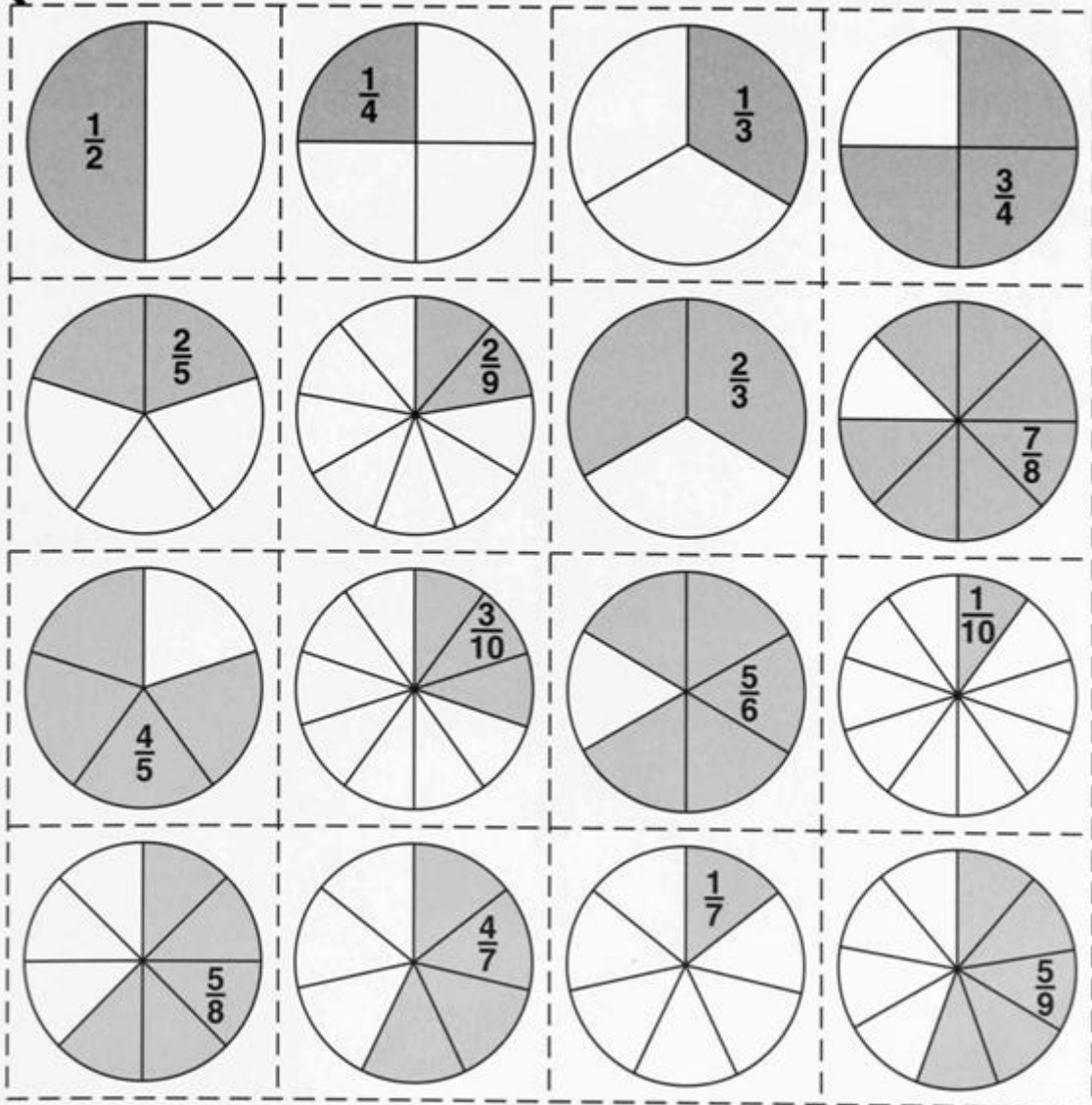
The Supervisor suggests that all employees get a 10% increase in their salaries.

The Union Representative, representing all the skilled and unskilled workers, suggests the money should be shared out equally between all seven employees. How much would each employee get if their salaries were increased by 10%?

- 2) How much would each employee get if the money available was shared equally amongst all of them?
- 3) Which of the above methods of calculating the pay rise would you favour if you were:
 - (a) the Managing Director?
 - (b) a skilled worker?
- 4) Which method do you think most people favoured?

Fractions to Decimals Match

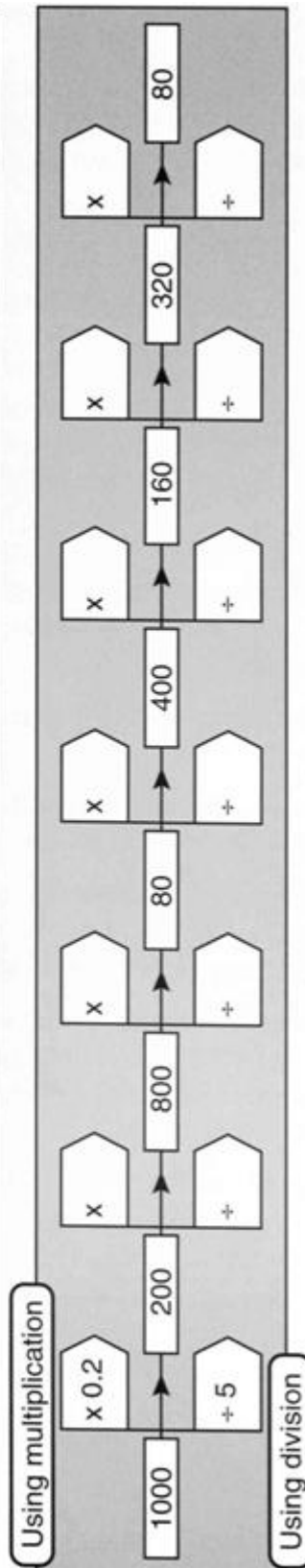
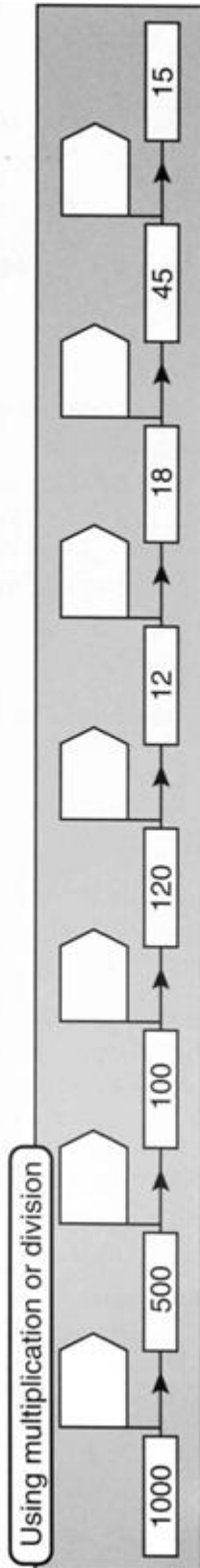
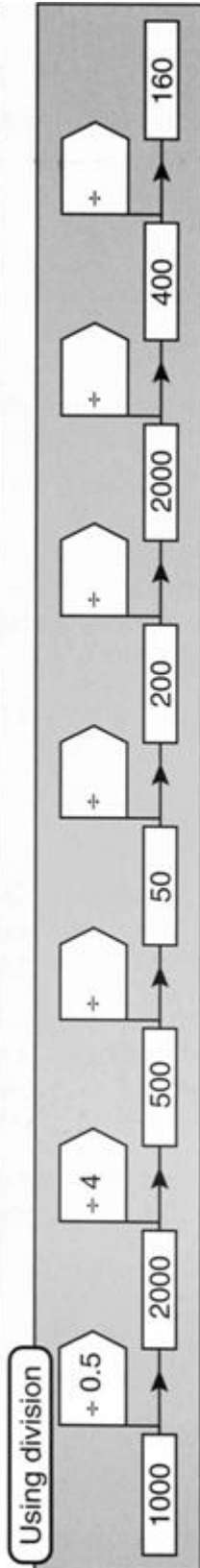
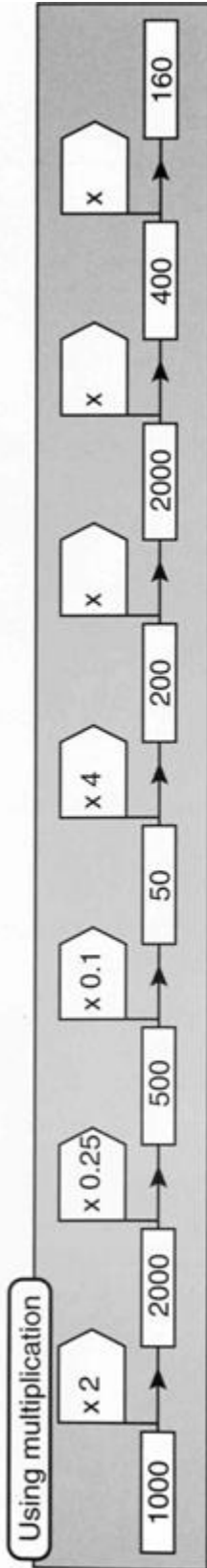
1. Cut out and match the fractions to the decimals
2. Write down the fractions in order of size, smallest first



0.5	0.3	0.1	0.5714286
0.4	0.625	0.25	0.6666667
0.3333333	0.1428571	0.2222222	0.75
0.8	0.5555556	0.875	0.8333333

Decimal Flags

• Complete the flags:



• What is the connection between the numbers used when multiplying and dividing?

Cost to the Moon



What would be cheaper to do:

§ Build a rocket to get to the moon

Or:

§ Create a stack of one dollar coins to reach the moon?

Research as much as you can and (stating your assumptions) create a document or presentation to discuss your findings.