

- 1) Multiply the numbers represented on each place value chart by 10, 100 and 1000.



a)

Tens	Ones	Tenths	Hundredths	Thousandths
	● ●	● ● ●		● ● ● ●

b)

Tens	Ones	Tenths	Hundredths	Thousandths
			● ● ● ●	● ● ● ● ● ●

c)

Tens	Ones	Tenths	Hundredths	Thousandths
●		● ●		●

- 3) Decide if each calculation is true or false. Explain your reasoning.



a) $0.5 \times 10 = 5$	b) $5.6 \times 100 = 56$
c) $0.65 \times 1000 = 650$	d) $3.05 \times 100 = 305$
e) $50.3 \times 10 = 5.03$	f) $0.005 \times 1000 = 50\ 000$

- 2) Complete the missing numbers in this function machine diagram.

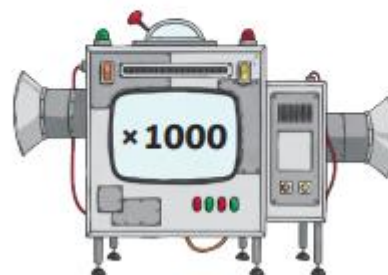
Input

0.73

6.82

15.009

0.08



Output

- 4) Are these comparison statements correct? Explain your reasoning. Using powers of ten, what could you change to make it correct?

$$24.5 \times 10 < 24.9 \times 100 < 0.251 \times 1000$$

$$76 \times 100 > 0.07 \times 1000 < 0.69 \times 100$$

- 5) A new television costs £175. Is Francis correct in her reasoning? Explain how you worked this out.

