

# Maths Homework

Teacher ref: N3.12



Name:

Example: A shop worker earns £7.65 per hour and works 12 hours.

They will earn :  $7.65 \times 12 = \text{£}91.80$

1) Calculate the wages earned for the following people by multiplying

a) A waiter earning £8.25 per hour for 6 hours:

b) A nail technician earns £7.68 per hour for 5 hours:

c) A joiner earns £12.45 per hour for 7 hours:

d) A painter earns £13.24 for 12 hours:

Plumber: £ 1 800 p.c.m

Fashion Designer: £2 075 p.c.m

Scientist: £2 580p.c.m

Mechanic: £1 900p.c.m

Offshore worker: £2 400 p.c.m

Architect: £2 750 p.c.m

2) Look at the list of jobs above which give salaries pcm (per calendar month).

Calculate the annual salary for each by multiplying by 12:

Plumber: £

Fashion Designer: £

Scientist: £

Mechanic: £

Offshore worker: £

Architect: £

Please turn over!

- 3) As a rough idea to calculate pension you pay find 10% of your annual salary. Calculate how much income tax the following people would pay. The first one has been done for you.

A painter can earn £23 400 p.a (per year)

$$10\% \text{ of } £23\,400 = 10 \div 100 \times 23\,400 = £ \boxed{\phantom{0000}}$$

A hairdresser can earn £18 360 p.a (per year)

$$10\% \text{ of } £18\,360 = \boxed{\phantom{0000}} = \boxed{\phantom{0000}}$$

- 4) As a rough idea to calculate income tax for the above we subtract £10 000 from the annual salary and find 20% of this. Calculate how much income tax the following people would pay. The first one has been done for you.

Example: A teacher can earn £20 400 p.a (per year)

$$£20\,400 - £10\,000 = £10\,400$$

$$20\% \text{ of } £10\,400 = 20 \div 100 \times 10\,400 = £2\,080 \text{ per year}$$

An IT manager can earn £29 160 p.a (per year)

$$£29\,160 - £10\,000 = £ \boxed{\phantom{0000}}$$

$$20\% \text{ of } £ \boxed{\phantom{0000}} = \boxed{\phantom{000000}}$$