

Name:

Exam Style Questions

Income Tax



Corbettmaths

Equipment needed: Calculator, pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 400j



Answers and Video Solutions



1. If Nora earns more than £12570 in a year, she will pay income tax.



Each month she earns £1060.

Will Nora pay income tax?

$$12 \times 1060 = \text{£}12720$$

Yes

.....
(2)

2. Kathrin will pay income tax if she earns more than €10347 in a year.



She earns €800 each month for the first 7 months of the year.
Kathrin earns €940 each month for the rest of the year.

Does Kathrin have to pay income tax?

$$\begin{array}{l} 800 \times 7 = \text{€}5600 \\ 940 \times 5 = \text{€}4700 \\ \hline \text{€}10300 \end{array}$$

No

.....
(3)

3. Gracie earns £13.95 an hour and works 22 hours each week.
Each year, she works 42 weeks.



Gracie will have to pay income tax if she earns more than £13000

Does Gracie have to pay income tax?

$$13.95 \times 22 = \pounds 306.90$$

$$\pounds 306.90 \times 42 = \pounds 12889.80$$

No

.....
(2)

4. In a country, people have to pay income tax on their salary as shown.



20% on all earnings over £10,000

Kelvin earns £18,000

Work out how much income tax Kelvin has to pay.

$$18000 - 10000 = 8000$$

20% of £8000

$$8000 \div 10 = 800$$

$$800 \times 2 = \pounds 1600$$

£ 1600

.....
(2)

5. In a country, people have to pay income tax on their salary as shown.



15% on all earnings over \$9,000

Omar earns \$35,000

Work out how much income tax Omar has to pay.

$$35000 - 9000 = \$26000$$

15% of 26000

$$10\% \rightarrow 2600$$

$$5\% \rightarrow 1300$$

$$\underline{\$3900}$$

\$ 3900
(2)

6. In a country, people have to pay income tax on their salary as shown.



19% on all earnings over \$18200

Ashlie earns \$39000


Work out how much income tax Ashlie has to pay.

$$39000 - 18200 = 20800$$

$$20800 \div 100 = 208$$

$$208 \times 19 = 3952$$

\$ 3952
(3)

7.  The amount of income tax paid in a country depends on the amount of money that a person earns.

20% on all earnings up to €36800 and then 40% on the rest of their income.


Oisín earns €40000

$$40000 - 36800 = 3200$$

How much income tax will he have to pay?

$$\begin{array}{r} 20\% \text{ of } 36800 = 7360 \\ 40\% \text{ of } 3200 = 1280 \\ \hline 8640 \end{array}$$

€.....8640.....
(3)

8.  The amount of income tax paid on in a region depends on the amount of money that a person earns.

26% on all earnings up to £18000 and then 31% on the rest of their income.

Toby earns £85400

$$85400 - 18000 = 67400$$

How much income tax will he have to pay?

$$\begin{array}{r} 26\% \text{ of } 18000 = 4680 \\ 31\% \text{ of } 67400 = 20894 \\ \hline 25574 \end{array}$$

£.....25574.....
(3)

9.



In a particular region, the amount of income tax depends on how much is earned that year.

0% on the first £14500 earned.

10% on the next £6500 earned.

20% on the remaining income earned. £ 31000

Elsie's salary is £52000

Work out how much income tax she will need to pay.

$$\underline{52000}$$

$$14500 + 6500 = 21000$$

$$52000 - 21000 = 31000$$

$$0\% \text{ of } 14500 = \pounds 0$$

$$10\% \text{ of } 6500 = \pounds 650$$

$$20\% \text{ of } \pounds 31000 = \underline{\pounds 6200}$$

$$\pounds \underline{\underline{6850}} \quad (3)$$

10. In a particular country, the amount of income tax depends on how much is earned that year.



The table shows the rate of tax.

Band	Taxable Income	Tax Rate
Personal Allowance	Up to £13000	0%
Basic Rate	£13000.01 to £50000	20%
Higher Rate	£50000.01 to £150000	40%

George has a salary of £45000 $45000 - 13000 = 32000$

Kevin has a salary of £60000 $\begin{matrix} 13000 \\ 37000 \\ 10000 \end{matrix}$

How much more income tax does Kevin need to pay than George?

George

$$0\% \text{ of } 13000 = \pounds 0$$

$$20\% \text{ of } 32000 = \pounds 6400$$

$$\pounds 6400 \text{ (George)}$$

Kevin

$$0\% \text{ of } 13000 = \pounds 0$$

$$20\% \text{ of } 37000 = \pounds 7400$$

$$40\% \text{ of } 10000 = \pounds 4000$$

$$\pounds 11800 \text{ (Kevin)}$$

$$11800 - 6400 = 5400$$

£ 5400

(6)

11. In a region, people have to pay income tax on their salary as shown.



30% on all earnings over £8000

$$\begin{array}{r} 0060 \\ 30 \overline{) 1800} \end{array}$$

Last year, Jacob paid £1800 income tax.

Work out how much Jacob earned last year.

$$\begin{array}{l} 30\% \text{ of } y = 1800 \\ 1\% \text{ of } y = 60 \\ 100\% \text{ of } y = 6000 \end{array}$$

$$8000 + 6000$$

$$\begin{array}{r} \text{£ } 14000 \\ \hline \end{array} \quad (3)$$

12. William will pay income tax on his salary.



He will pay 20% on the first €36800 of his salary.
Then William will pay 40% on the rest of his salary.

William will pay €9200 in income tax.

Work out William's salary.

$$20\% \text{ of } 36800 = 7360$$

$$9200 - 7360 = 1840$$

$$40\% \text{ of } y = 1840$$

$$1\% \text{ of } y = 46$$

$$100\% \text{ of } y = 4600$$

$$36800 + 4600 =$$

$$\begin{array}{r} \text{€ } 41400 \\ \hline \end{array} \quad (3)$$

13. Marta will pay income tax on her salary.



She will pay 0% on the first £14500 of her salary *to tax*
15% on the next £35500 of her salary
40% on the rest of her salary

Marta will pay £16800 in income tax.

Work out Marta's salary.

$$15\% \text{ of } 35500 = 5325$$

$$16800 - 5325 = 11475$$

$$40\% \text{ of } y = 11475$$

$$1\% \text{ of } y = 286.875$$

$$100\% \text{ of } y = 28687.5$$

$$14500 + 35500 + 28687.50$$

$$\begin{array}{r} \text{£ } 78687.50 \\ \hline (4) \end{array}$$