

## 35. How to solve problems involving tax



### Scenario Questions:

1. How much income tax will Sarah pay on her salary of £30,000, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% on income above £50,270?
2. What will be James's income tax on £42,000, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% on income above £50,270?
3. Emma's income is £35,000. How much income tax will Emma have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% above £50,270?
4. Jack earns £52,000. What is Jack's income tax liability, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?
5. Sophia has an annual salary of £65,000. How much income tax will Sophia pay, factoring the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% above £50,270?

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### Scenario Questions:

6. Pedro earns £18,000 per year. How much income tax will Pedro pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% above £50,270?

7. Olivia has an annual salary of £55,000. What is Olivia's tax liability, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% above £50,270?

8. Ben earns £58,000 annually. How much income tax will Ben have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% above £50,270?

9. Lily's yearly income is £110,000. What is Lily's income tax liability, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% for above £50,270?

10. Ethan has an annual salary of £75,000. How much tax will Ethan pay, factoring the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% on income above £50,270?

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## Scenario Questions: **Answers**

1. Sarah has an annual salary of £30,000. How much income tax will Sarah have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**1. £3,486**

2. James earns £42,000 per year. What will be James's income tax liability, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**2. £5,886**

3. Emma's yearly income is £35,000. How much income tax will Emma have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**3. £4,486**

4. Jack earns £52,000 annually. What is Jack's income tax liability, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**4. £8,232**

5. Sophia has an annual salary of £65,000. How much income tax will Sophia have to pay, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**5. £13,432**

6. Tom earns £18,000 per year. How much income tax will Tom have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**6. £1,086**

7. Olivia has an annual salary of £55,000. What will be Olivia's income tax liability, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**7. £9,432**

8. Ben earns £58,000 annually. How much income tax will Ben have to pay, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**8. £10,632**

9. Lily's yearly income is £110,000. What is Lily's income tax liability, considering the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**9. £31,432**

10. Ethan has an annual salary of £75,000. How much income tax will Ethan have to pay, taking into account the tax-free allowance of £12,570, the basic rate of 20%, and the higher rate of 40% applied on income above £50,270?

**10. £17,432**