

Compound Interest

Use this worksheet after reading the lesson to practise the key ideas and prove you can meet the success criteria.

Name _____
 Date _____
 Class _____

1. Key Ideas

Use the compound interest formula to calculate future value, understand the effect of compounding frequency, and compare compound with simple interest.

- Key facts and terms for Compound Interest
- How the main ideas in Compound Interest connect

2. Success Criteria

By the end, you should be able to:

- Key facts and terms for Compound Interest
- Where this lesson fits in Module 3
- How the main ideas in Compound Interest connect

3. Key Terms

Compound Interest

Interest calculated on the principal plus accumulated interest: $A = P(1 + r)^n$.

Principal

The initial amount of money invested or borrowed.

Rate per Period

The interest rate for each compounding period (annual rate divided by periods per year).

Number of Periods

The total number of compounding periods (years × periods per year).

Final Balance

The total value of the investment or loan after all interest has been applied.

4. Activity: Build the Lesson Map

Use the lesson to complete the table. Keep answers brief but specific.

Prompt	Your answer
Main concept	
Important example	
Common mistake to avoid	
How this links to the next lesson	

5. Short Answer Questions

1. Explain this lesson goal in your own words: "Key facts and terms for Compound Interest". Use one specific example from the lesson.

BAND 3 **2 MARKS**

2. Apply this idea to a new example: "Where this lesson fits in Module 3". Show your reasoning clearly.

BAND 4 **3 MARKS**

3. Analyse why this idea matters for understanding Compound Interest: "How the main ideas in Compound Interest connect".

BAND 5 **4 MARKS**

6. Extend: Apply the Idea

BAND 5/6 **5 MARKS**

A student gives a memorised answer about Compound Interest but does not use evidence or reasoning.

Improve the answer by writing a stronger response that uses accurate terminology, a relevant example and a clear explanation.

7. Multiple Choice

1. What is the best first step when answering a question about Compound Interest?

- A. Identify the key concept being tested
- B. Write every fact from memory
- C. Ignore the command word
- D. Skip examples and evidence

2. Which answer would show stronger understanding of Compound Interest?

- A. An answer with accurate terms and reasoning
- B. A copied definition only
- C. A single-word response
- D. An answer with no example

3. What should you do if a question asks you to explain?

- A. Link the idea to a reason or cause
- B. List unrelated facts
- C. Only draw a diagram
- D. Write the shortest possible answer

8. Success Criteria Proof

Finish with evidence that you can do each success criterion.

SUCCESS CRITERION 1

Prove that you can: Key facts and terms for Compound Interest

BAND 3

2 MARKS

SUCCESS CRITERION 2

Prove that you can: Where this lesson fits in Module 3

BAND 4

3 MARKS

SUCCESS CRITERION 3

Prove that you can: How the main ideas in Compound Interest connect

BAND 5

4 MARKS

One thing I still need help with:
