

opc assessment

PRACTICE TESTS

Core Skills Mechanical Reasoning Test (CoreM)

Free Sample v1.2

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About the Core Skills Mechanical Reasoning Test (CoreM)

The Core Skills Mechanical Reasoning Test (CoreM) measures your ability to reason with mechanical information.

Improving your performance with this practice test

Research has shown that your score on a test is likely to improve if you practice. So if you spend some time practising with this practice test then you will help yourself to do your best.

How to complete this practice test

This practice test has a number of problems for you to solve. In each question you will be presented with a labelled diagram of a mechanical nature. Your task will be to decide which of three possible answers provided is correct and answers the question presented about the diagram. For each question only one answer is correct.

Please ensure that you look at each question in full before answering.

There are 4 questions in total. Make sure you have some rough paper to do your workings out. You can either:

- print this document out and mark your answers with a pen in the tick box next to your choice (A, B or C) for each question; or,
- work through the questions inside this PDF and mark your answers by clicking on the tick box next to your choice (A, B or C) for each question.

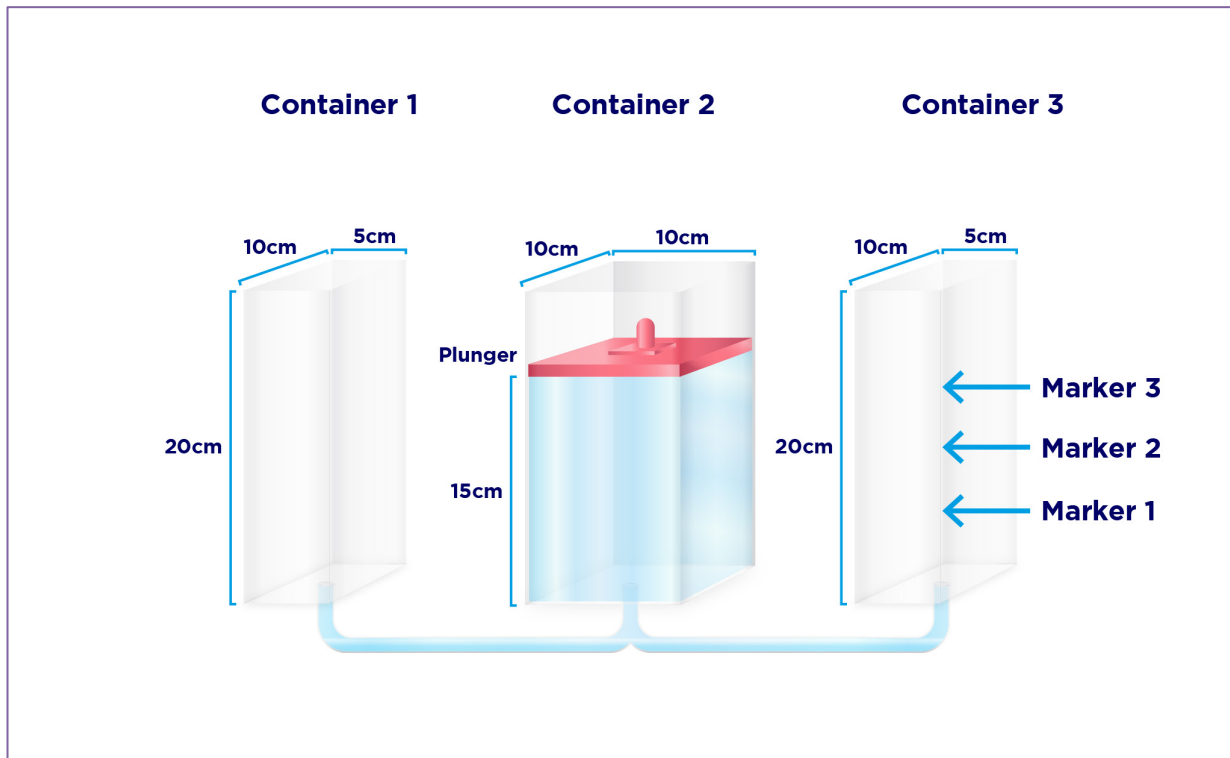
Remember:

- Work through the questions as quickly and accurately as you can.
- If you are not sure of an answer then select your best answer.
- You can use rough paper for any workings out.

Now turn over to complete the practice questions.



Question 1

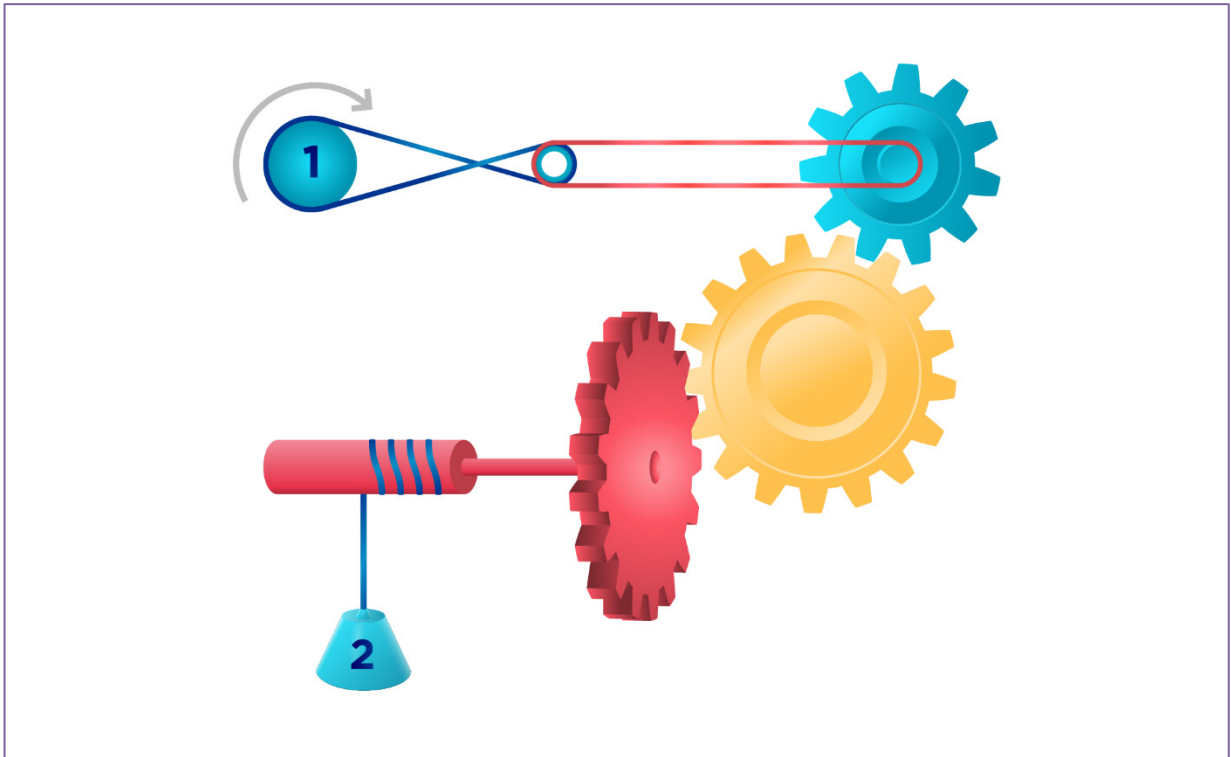


Q1. If the plunger in Container 2 is fully pressed down, which marker will the water reach in Container 3?

- A. Marker 1
- B. Marker 2
- C. Marker 3



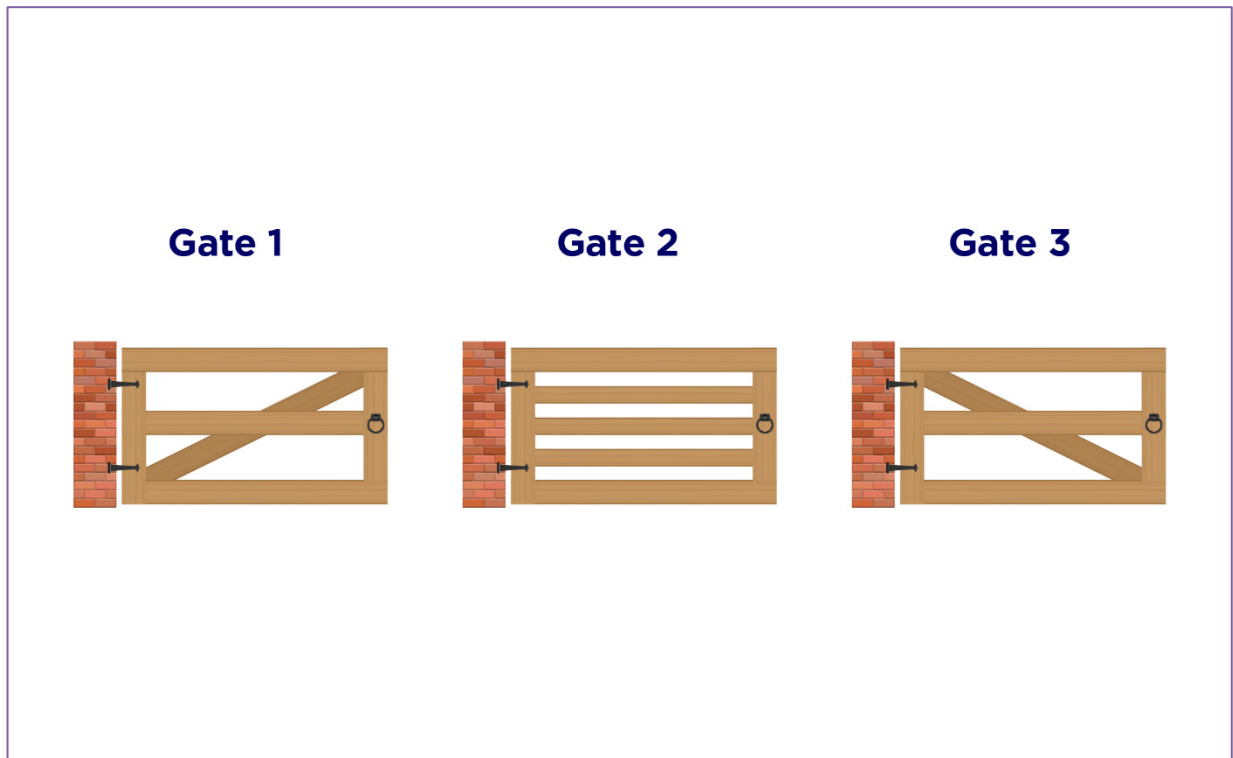
Question 2



Q2. If Pulley 1 is turned clockwise, which direction will Weight 2 move?

- A. Up
- B. Down
- C. Not possible to tell

Question 3

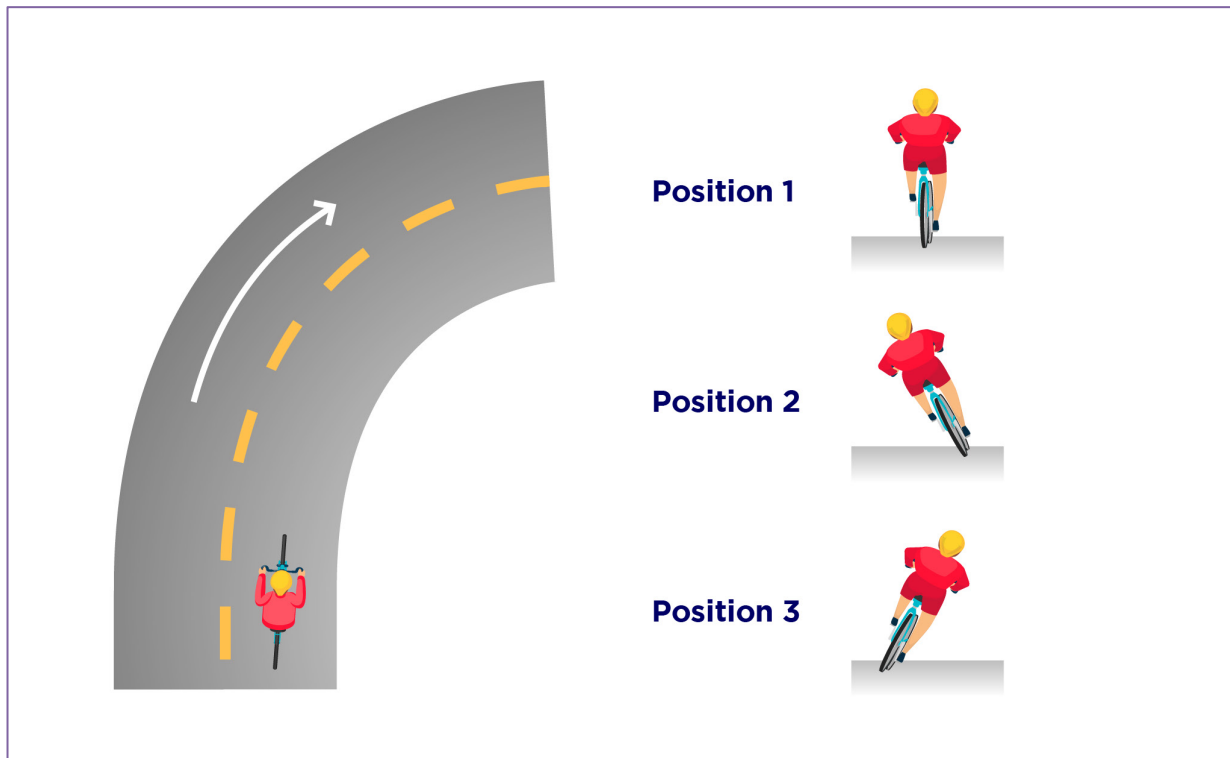


Q3. Which gate is the weakest?

- A. Gate 1
- B. Gate 2
- C. Gate 3



Question 4



Q4. A cyclist is going around a bend. What position would the cyclist lean to assist them if going around the bend at speed?

- A. Position 1
- B. Position 2
- C. Position 3

STOP. This is the end of the test.



The answers

To score your test please look back through your answers and input them (e.g. A, B or C) in the table below under the column 'My Answer'. Once you've transferred your answers into the table you can then compare them with the correct answers. Give yourself one mark for each correct answer.

Q.	My answer	Correct answer
1.		C
2.		A
3.		B
4.		C
		My TOTAL Score

Doing your best

- Whatever your score we recommend that you keep practising. Try the test again.
- After trying the test again, if you got any of the answers wrong then go back and work out where and why you went wrong on each question.
- If you have gone over a wrong answer and don't understand why it is wrong, then ask a friend or relative who might be able to help you understand why.

Completing other practice tests

Research has shown that practice can help you to improve your chances of performing well on a test. OPC Assessment have other practice tests available that you might be interested in completing. Please visit our website www.theopc.co.uk for further information.

And finally, good luck!

