

Functional Skills Mathematics Entry 3 Sample assessment



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September 2017
Version 1.0

Candidate's paper Ice skating

Length of assessment: 1 hour and 30 minutes

Candidate's name: _____

City & Guilds enrolment number: _____

Date of registration: _____

Date assessment started: _____

Date assessment completed: _____

Candidate's declaration:

I confirm that this assessment is my own work

Candidate's signature _____ Date _____

Candidate instructions

You have **1 hour and 30 minutes** to complete this assessment.

- Read the paper carefully.
- There are **three** tasks to complete.
- Answer **all** the questions.
- The maximum marks for each question are shown.
- You may use a dictionary.
- You may use a calculator.

You need:

- pens and pencils
- a ruler
- a calculator.

Task 1

You plan to go ice skating one evening next week with some friends.

Ice skating timetable									
Time	Monday	Tuesday	Wednesday	Thursday	Friday				
10:00 am	daytime skating	daytime skating	daytime skating	daytime skating	daytime skating				
10:30 am									
11:00 am									
11:30 am									
12:00 pm									
12:30 pm									
1:00 pm									
1:30 pm									
2:00 pm									
2:30 pm									
3:00 pm									
3:30 pm						after school skate			after school skate
4:00 pm									
4:30 pm									
5:00 pm	skating lessons			after school skate					
5:30 pm									
6:00 pm		evening skating session							
6:30 pm				skating lessons					
7:00 pm						skating lessons			
7:30 pm	evening skating session				evening skating session				
8:00 pm									
8:30 pm									
9:00 pm									
9:30 pm									
10:00 pm					disco session				
10:30 pm									

1a. Decide which evening skating session you will go to. Mark it on the timetable and write the day on the line below. 1 mark

.....

1b. What time does this session start? 1 mark

.....

These are the admission prices for the ice skating rink.

Admission prices		
Skating session	with skate hire	without skate hire
Daytime skating	£9.00	£6.00
After school skate	£6.00	£3.00
Evening skating session	£12.00	£9.00
Disco session	£15.00	£9.00
Spectator	£3.00 each	

2a. What is the admission price for your chosen session **without** skate hire? **1 mark**

.....

2b. What is the admission price for your chosen session **with** skate hire? **1 mark**

.....

2c. What is the admission price for a spectator? **1 mark**

.....

3. Which is the cheapest skating session? **1 mark**

.....

Task 1 total marks: 6

Task 2

- 1a.** Three of your friends want to skate at the session you chose.
They all need to hire skates.

What is the **total** cost for your three friends with skate hire?
Show your working.

2 marks

.....

- 1b.** You will skate with your friends.
You have your own skates.
Another friend wants to watch and will need a spectator ticket.

Work out the **total** cost for you and your four friends.
Show your working.

3 marks

.....

- 1c.** You can book online to get $\frac{1}{3}$ off the total cost.

What is $\frac{1}{3}$ of the total cost?

Show your working.

2 marks

.....

- 1d.** Work out the **total** amount you and your friends will pay when you book online.
Show your working.

2 marks

.....

- 2.** Check your answer.
Show your check.

1 mark

.....

You meet your friends at the ice skating rink.

One of your friends does not know what size skates she needs.

She measures the length of her foot with a ruler marked in centimetres.



The arrow shows the length of your friend's foot.

3a. What is the length of your friend's foot to the **nearest whole centimetre**?

2 marks

.....

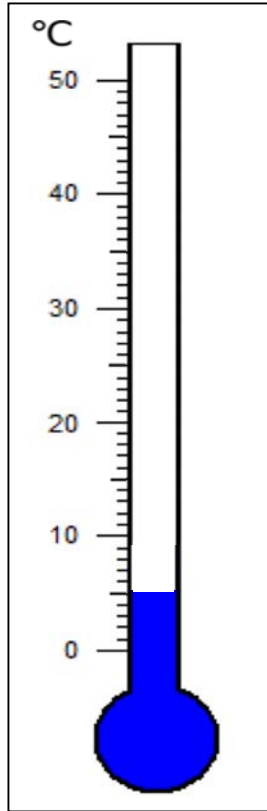
Skate size chart		
cm	Ladies' size	Men's size
20	2	1
21	3½	2½
22	4	3½
23	5	4
24	6½	5½
25	8	7

3b. What Ladies' skate size does she need?

1 mark

.....

Your friend who is watching you skate checks the temperature where the spectators sit.



4. What temperature does the thermometer show?
Put units on your answer.

2 marks

.....

Task 2 total marks: 15

Task 3

After the ice skating session you want to buy a drink.

Here is the list of drinks with prices and code numbers.

Drinks			
Large £1.75	code	Small £1.25	code
cola	021	cola	027
orange	022	orange	028
apple	023	apple	029
lemonade	024	lemonade	030
cherry	025	cherry	031
water	026	water	032



Choose an apple drink.

1a. What is the code number for the apple drink you chose?

1 mark

.....

You use these coins to pay for your drink.



1b. How much change should you get?
Show your working.
Put units on your answer.

3 marks

.....

1c. Check your answer.
Show your check.

1 mark

.....

At the end of the day the assistant has some jobs to do.

2. He checks how many pairs of skates are in the racks.

There are 106 in the first rack.

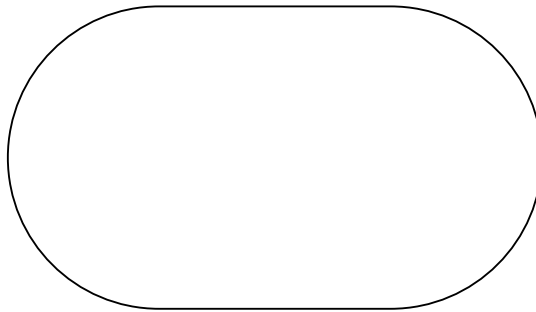
There are ten pairs of skates in each row.

He carries on counting the skates in tens starting from 106.
Fill in the gaps.

2 marks

106 116 126

He needs to put a rope across the ice rink.
The ice rink is this shape.



3. Draw **two** lines of symmetry on the shape.

2 marks

Task 3 total marks: 9
Total marks: 30

End of Assessment

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