

Functional Skills Mathematics Entry 3 Sample assessment



www.cityandguilds.com
September 2017
Version 1.0

Candidate's paper Video games

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
- a calendar.

Task 1

You want to buy a new games machine.
You decide to sell your old games.

You put an advert on a website.

Video game machines	Number of games for sale	Price of each game
Gamecube	25	£2
DreamCast	16	£4
PSX	20	£3

A customer had £30 to spend.

He buys 5 games for his DreamCast.

1a. How much money does he have **left**?

Show your working.

3 marks

.....

He wants to buy some games for Gamecube **and** PSX.

1b. Choose a mix of games to spend all the money he has left.

Show your working.

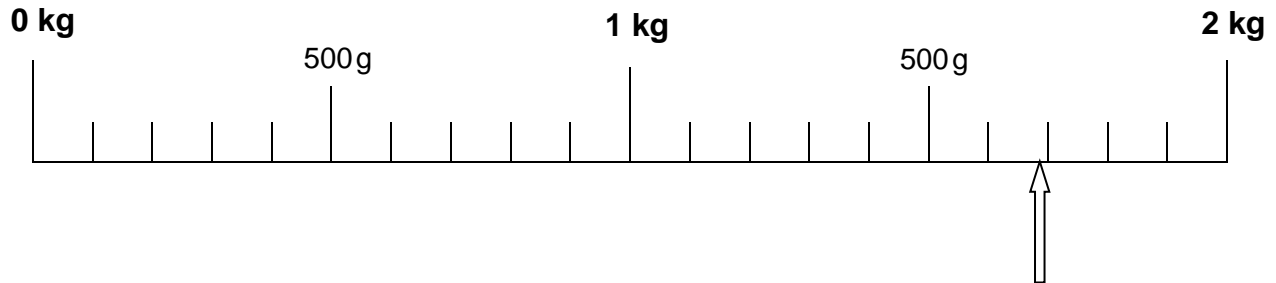
3 marks

How many Gamecube games?

How many PSX games?

You put all these games into a parcel to post to the customer.

The scale shows the weight of the parcel.



2a. What is the weight to the nearest 100g?
Put units on your answer.

2 marks

.....

Costs to post parcels



Maximum weight	Delivered next day	Delivered in 5 days
1 kg	£6.30	£3.80
2 kg	£8.30	£5.30
4 kg	£10.30	£8.80
6 kg	£13.80	£12.30

2b. What is the **cheapest** cost to post your parcel?

2 marks

.....

You post your parcel today.

What day is today?

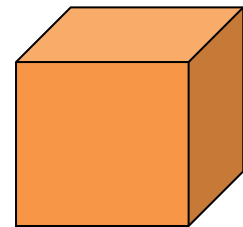
Look at your calendar and the table on the opposite page.

2c. What day will your parcel be delivered?

2 marks

.....

You want to put a **FRAGILE** label on each face of the parcel.



3. How many faces does the parcel have?

Give a reason for your answer.

.....

2 marks

Task 1 total marks: 14

Task 2

This is the list of the games you are selling.

Video game machines	Number of games for sale	Price of each game
Gamecube	25	£2
DreamCast	16	£4
PSX	20	£3

- 1a.** What is the **total** amount of money you will get for selling **all** of your old games?

Show your working.

4 marks

.....

- 1b.** Check your answer.

Show your check.

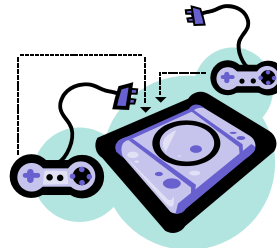
1 mark

.....

Task 2 total marks: 5

Task 3

You find out about new games machines for sale.



Games machines

Machine	Number of games available	Machine price
Xbox	850	£270
Atari	600	£150
Nintendo	1000	£210
PlayStation	750	£240

1. Use the information in the table to choose one machine to buy.

Give a reason for your choice.

1 mark

.....

You want these headphones for your new games machine.



£57

A shop has this special offer.

$\frac{1}{3}$ off headphones
when you buy any games machine

2a. What is $\frac{1}{3}$ of the price of the headphones?

Show your working.

2 marks

.....

2b. How much will the headphones cost **with the special offer**?

Show your working.

1 mark

.....

2c. What will the **total** cost be for your games machine and headphones?

Show your working.

2 marks

.....

2d. Check your answer.
Show your check.

1 mark

.....

3. Write a list to show:

- the money you will get from selling your old games
 - the cost of the new machine and headphones
and
 - how much money you will have left over
- OR how much money you will need to make up the cost.

Show your working.

4 marks

Write your list here.

Task 3 total marks: 11
Total marks: 30

End of Assessment

**Published by City & Guilds
1 Giltspur Street
London
EC1A 9DD
www.cityandguilds.com**

**City & Guilds is a registered charity
established to promote education and
training**