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Functional Skills Mathematics (4748)

Entry 2 Sample Assessment



www.cityandguilds.com
April 2020
Version 1.0

Candidate's paper – Calculator allowed
At the Vets

Time allowed – 65 minutes

Marks: 27

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

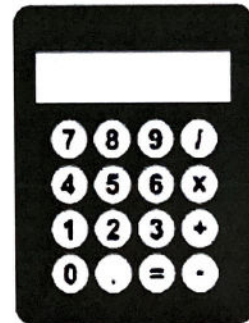
You will need

- a calculator
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

Instructions

- Read each question carefully.
- Answer **all** the questions.



Candidate's declaration:

I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Calculator paper

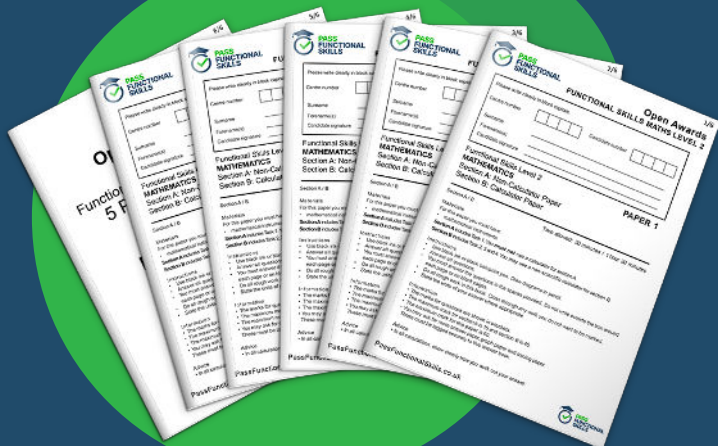
There are **27** marks available.

You may use a calculator.

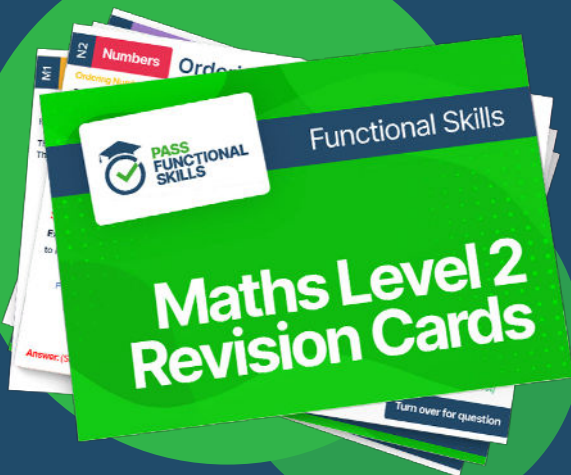




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Functional Skills Maths
Level 2 Practice Papers



Functional Skills Maths
Level 2 Revision Cards



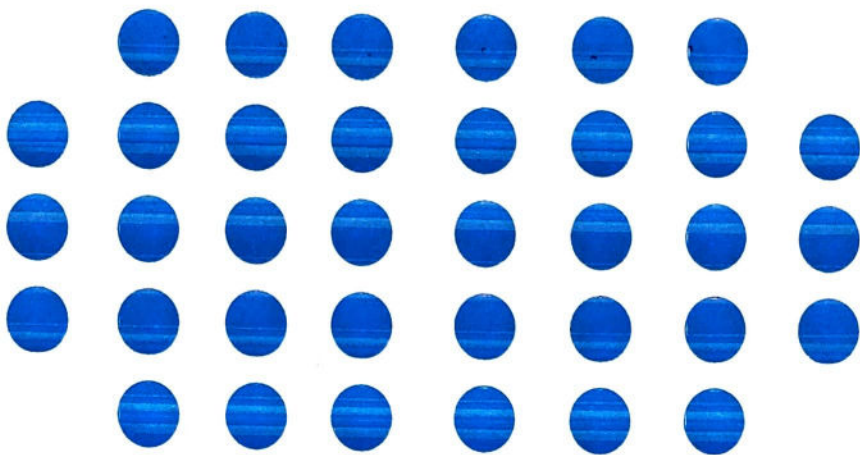
Functional Skills English Level 2
Practice Papers & Revision Cards



Functional Skills Maths
Level 2 Pocket Revision Guide

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Q1 Count these tablets.



How many tablets are there?

.....36.....

1 mark

Q2 Write these measurements in order starting with the **smallest**.

96km 3km 20km 82km

3km 20km 82km 96km

1 mark

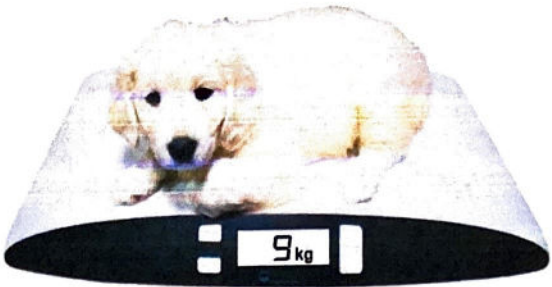
Q3 What is 78 add 12 ?

.....90.....

1 mark

Q4 A man takes his dog to the vet.
The vet says the dog needs worming tablets.

The vet weighs the dog.



He checks this table for the number of tablets needed.

Weight of dog	Number of worming tablets
less than 5kg	$\frac{1}{2}$
5kg to 10kg	1
over 10kg	2

a

How many worming tablets does the dog need?

1
.....

2 marks

The receptionist makes a date for the man to bring the dog back to the vets.

She writes this date on a card for the man.

2020 AUGUST						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



Vet Appointment

Name Mr. Adams

Date 12-08-2020

Time 10:00 am

b Fill in the card.

1 mark

Q5 A woman has a sick cat. She asks the vet for some tablets.

The vet says the cat must have **3** of these tablets **each day**.



- a** For how many days can the cat take the tablets?
How many tablets will be left over?

Show your working out.

$$\frac{80}{3} = 26 \frac{2}{3} \rightarrow 26$$

Number of days 26

Tablets left over 2

2 marks

The woman wants to know how much she needs to pay.

The vet's fees are **£55**. The tablets cost **£26**.

The vet nurse works out the total cost.

- b** What amount is this? **Give units with your answer.**

Show your working out.

$$£55 + £26 = £81$$

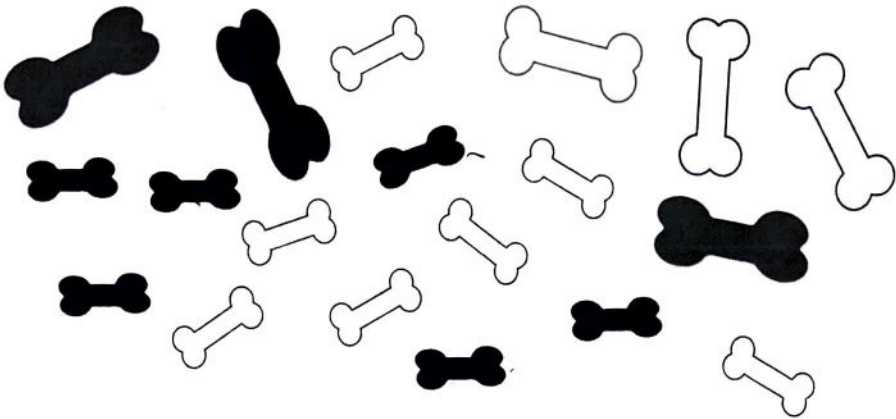
Amount to pay £81

2 marks

Q6 A customer says his dog only likes **small black** bone treats.

A vet sells bags of 10 **small black** bone treats **and** bags of mixed bone treats.

These are the bone treats in the mixed bag.



- a** Which bag would be best for the dog?
Use numbers to explain your answer.

Space for working out.

The best bag for the dog would be the bag of

(Tick one)

small black bone treats ☒

mixed bone treats ☐

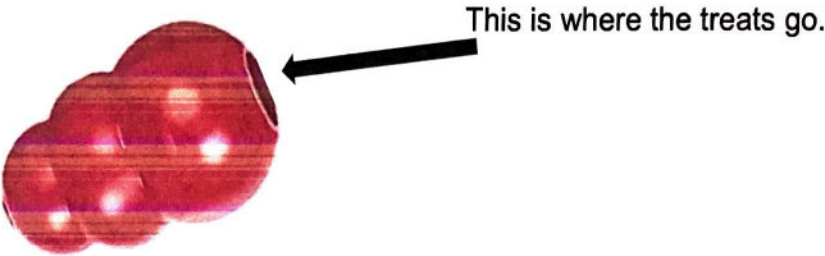
because

it has 10 small black bones, the mixed bag has 6.

2 marks

The vet's assistant shows the customer a dog feeding toy they sell.

The customer asks if he can use the bone treats with the toy.



- b What does the vet's assistant tell the customer?
Finish this sentence.

You can put the bone treats.....in..... the toy.

1 mark

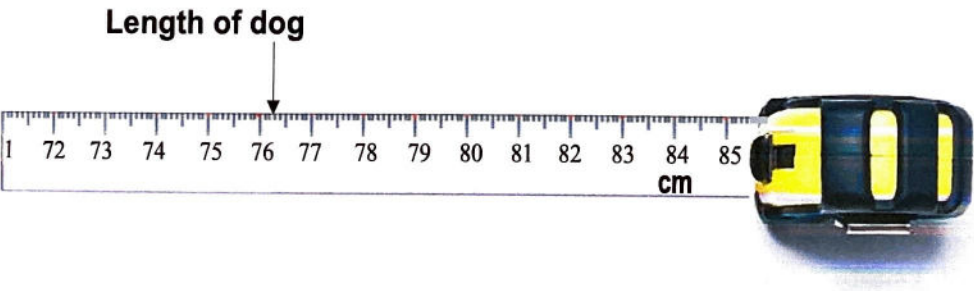
- Q7** A woman wants to buy a drying bag like this one to dry her dog after wet and muddy walks.



She finds this information on a website.

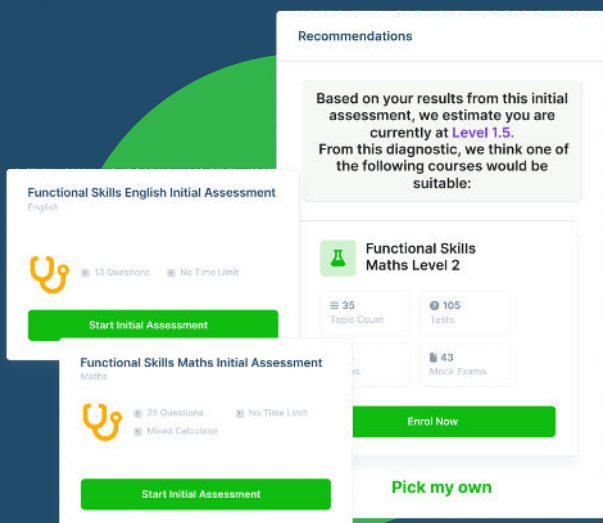
Size of drying bag	Length of dog
Small	up to 62cm
Medium	62cm – 82cm
Large	over 82cm

She measures the dog.



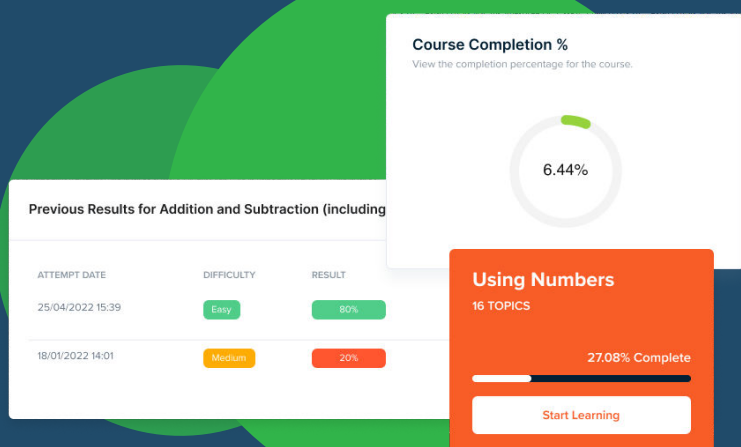
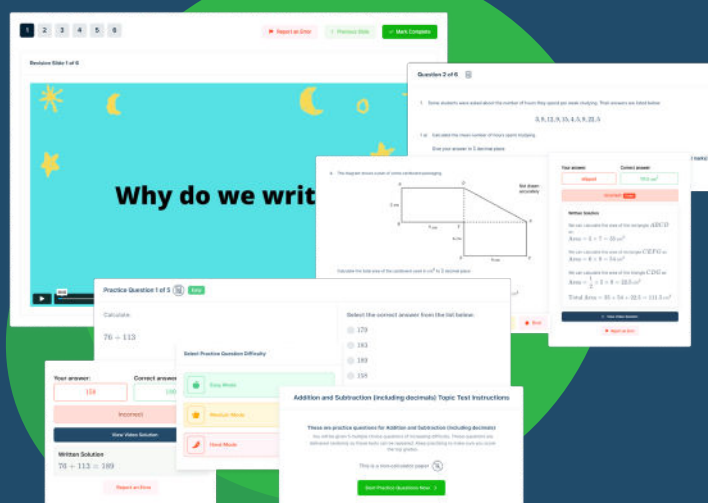


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- ✓ View historical attempts to analyse your progress over time

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What size drying bag should the woman order?
Give a reason for your answer.
Use numbers to explain your answer.

Size of drying bag Medium

Reason

Her dog is 76.3cm long, which falls
 in the range 62cm – 82cm.

3 marks

Q8

A man brings his rabbit to the vet.

The vet nurse checks the temperature of the rabbit.

The temperature measures 105°F.



A healthy rabbit has a temperature of 100.5°F to 103.5°F
 The rabbit's owner asks the nurse if the rabbit is healthy.

a

Is the rabbit healthy?
 How do you know?
Use numbers to explain your answer.

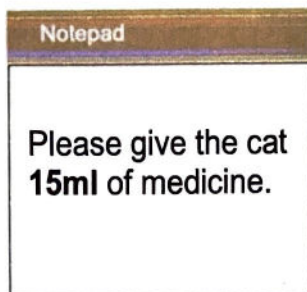
Yes / No No

Reason

105°F is higher than 103.5°F.

2 marks

The vet gives this note to the nurse.



The nurse uses this 5ml syringe.
She fills it with medicine.



b

How many full syringes of medicine should she give the cat?

Show your working out.

$$\frac{15}{5} = 3$$

.....3.....

2 marks

The vet says the cat can go home.

The vet nurse works out the bill.

The fees cost £58, the overnight stay was £22 and medicine £19.

She does this sum $£58 + £22 + £19 = £99$

She checks her calculation by using **approximation**.

- c Show how she used approximation to check her calculation.

Write your check here.

$$58 \rightarrow 60, \quad 22 \rightarrow 20, \quad 19 \rightarrow 20$$

$$60 + 20 + 20 = 100.$$

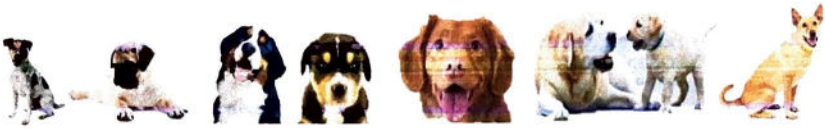
$$99 \rightarrow 100.$$

2 marks

Q9 The vet keeps a record of the numbers of animals treated each day.

These are the animals treated today.

Dogs



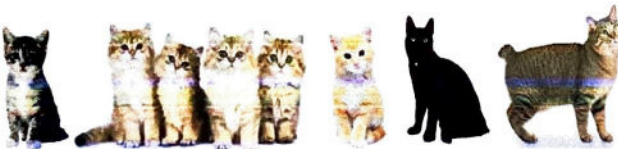
17

Rabbits



4

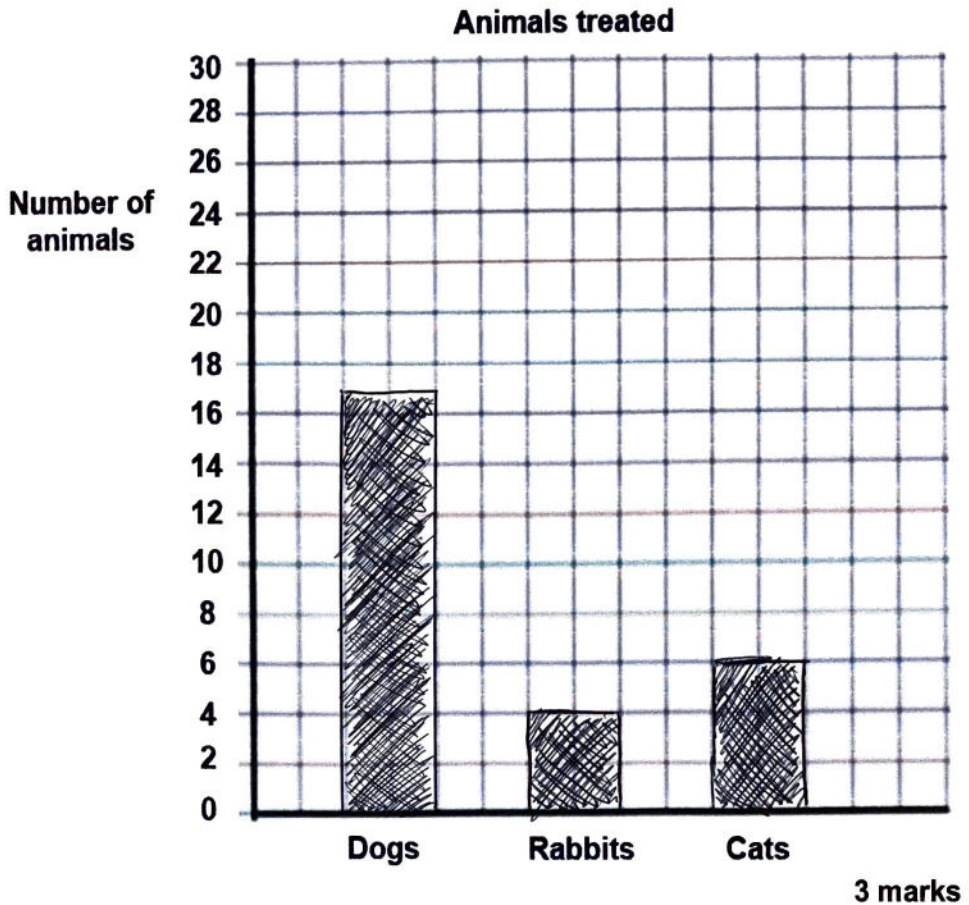
Cats



8

The vet asks the trainee to draw a bar chart to show how many animals were treated today.

- a Draw **three** bars to finish the chart on the next page.



The vet asks the trainee to compare the numbers of animals treated.

b

What does the trainee tell the vet?
Use numbers to explain your answer.

2 marks

Total marks: 27

End of calculator paper

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