

# Functional Skills Mathematics (4748) Entry 2 Sample Assessment



www.cityandguilds.com  
July 2022  
Version 1.0

## Candidate's paper – Non-calculator At the Vets

**Time allowed – 25 minutes**

Marks: 9

Name: \_\_\_\_\_

City & Guilds Enrolment Number: \_\_\_\_\_

Date of registration: \_\_\_\_\_

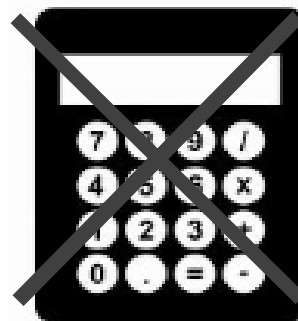
Date of assessment: \_\_\_\_\_

### You will need

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

You may use a dictionary.

You must **not** use a calculator.



### Instructions

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

### Candidate's declaration:

I confirm that this assessment is my own work.

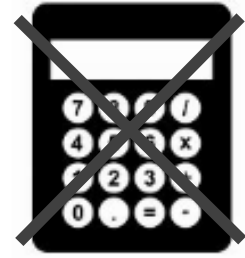
Candidate's signature \_\_\_\_\_

Date \_\_\_\_\_

## Non-calculator paper

There are **9** marks available.

You must **not** use a calculator.



**Q1**

Multiply 12 by 9

.....

**1 mark**

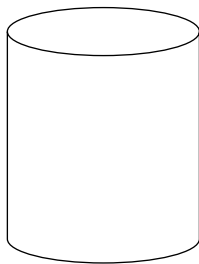
**Q2**

How many weeks are there in one year?

..... **weeks**

**1 mark**

**Q3**



What is the name of this shape?

.....

**1 mark**

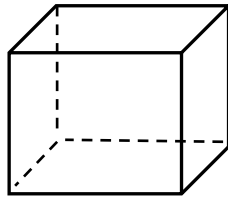
**Q4**

What number comes next in this list?

63 65 67 69 ....

**1 mark**

Q5

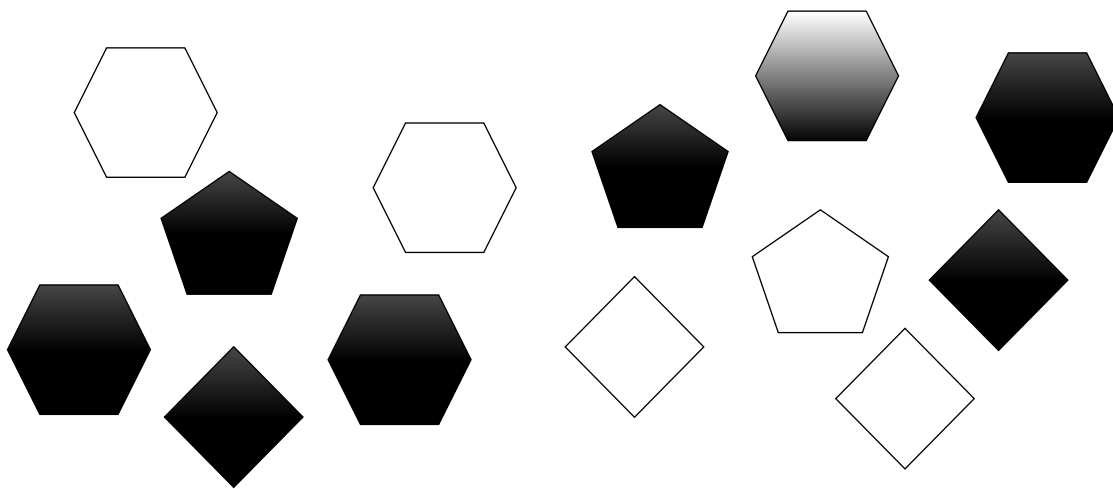


How many **edges** does this shape have?

.....edges

1 mark

Q6



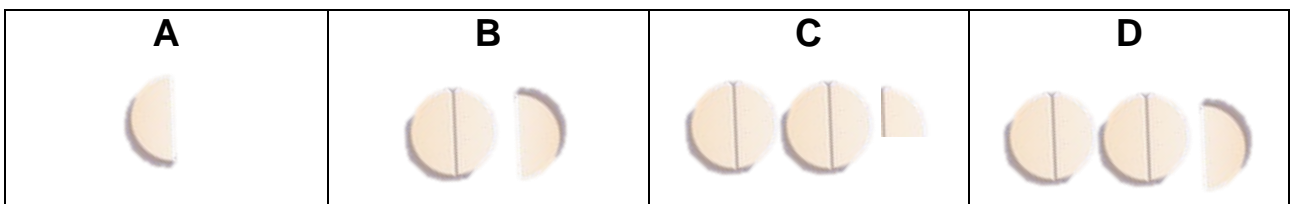
Tick all the **white hexagons**.

1 mark

Q7

A woman needs to give her dog **2 whole tablets and  $\frac{1}{2}$  a tablet** with his food.

She has these tablets.



Which of these groups of tablets should she give the dog?  
**Tick one.**

1 mark

**Q8** A vet nurse weighs these four puppies.  
She needs to keep a record of the weight of each puppy.

She writes the weights in order **starting with the lightest**.



**3.2kg**

**2.6kg**

**2.8kg**

**2.3kg**

What does the nurse write down?

.....kg

..... kg

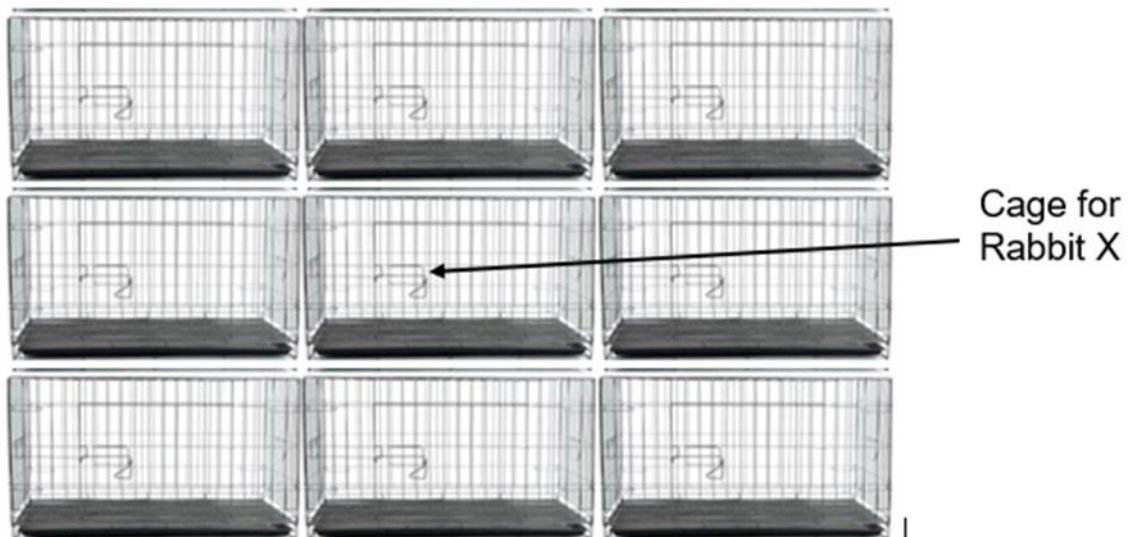
..... kg

..... kg

**1 mark**

**Q9** The vet clinic has cages for the animals to stay in for their treatment.  
The vet asks the nurse which cage Rabbit X will go in.

This diagram shows a plan of the cages.



What does the nurse tell the vet? **Finish the sentence.**

Rabbit X will go in the cage .....

**1 mark**

**Total marks: 9**

**End of non-calculator paper**

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# Functional Skills Mathematics (4748) Entry 2 Sample Assessment



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July 2022  
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: \_\_\_\_\_

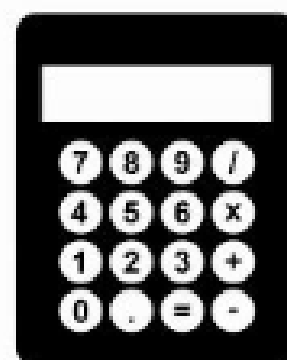
### You will need

- 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** \_\_\_\_\_



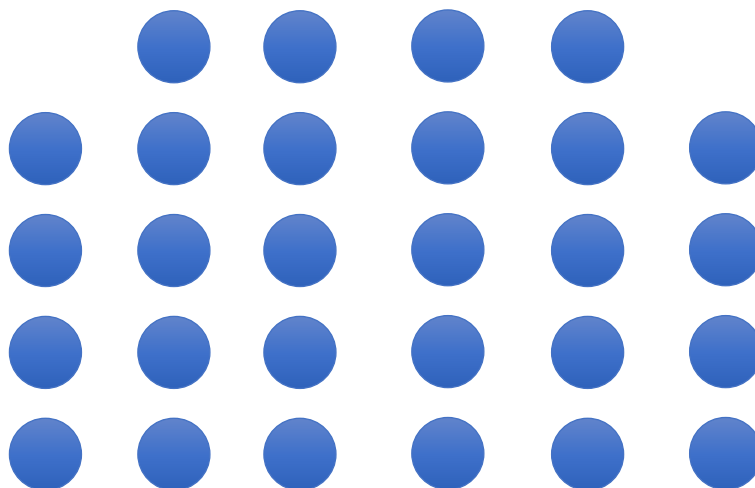
## Calculator paper

There are **27** marks available.

You may use a calculator.



**Q1** Count these tablets.



How many tablets are there?

.....tablets

**1 mark**

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

**96km**

**3km**

**20km**

**82km**

.....

.....

.....

.....

**1 mark**

**Q3** What is 68 add 24?

.....

**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?

.....worming tablets

**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.

2021 MAY						
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					

b Complete the card below with the date.

	<b>Vet Appointment</b>
	<b>Name</b> <u>Mr. Adams</u>
	<b>Date</b> _____
	<b>Time</b> <u>10:00 am</u>

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.

Number of days .....

Tablets left over .....

**2 marks**

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

The vet's fees are **£45**. The tablets cost **£28**.

The vet nurse works out the total cost.

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

Show your working out.

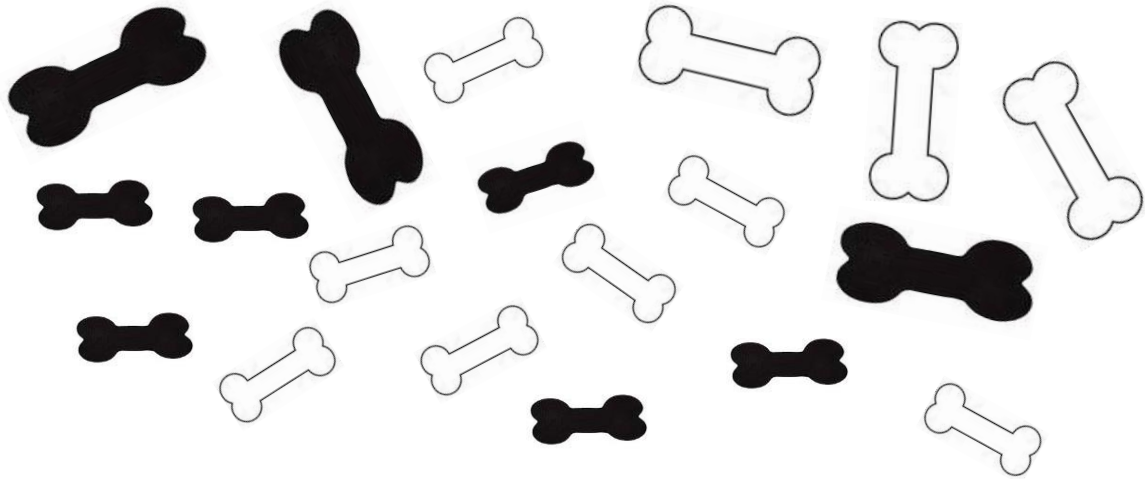
Amount to pay .....

**2 marks**

**Q6** A vet sells bags of 5 **small white** bone treats **and** bags of mixed bone treats. The bags are the same price.

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

These are the bone treats in the mixed bag.



**a** Which bag should the customer buy?  
**Use numbers to explain your answer.**

Space for working out.

The customer should buy  
**(Tick one)**

small white bone treats

mixed bone treats

because.....

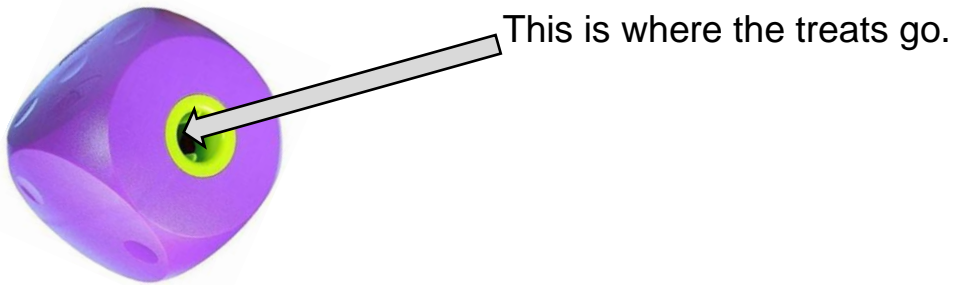
.....

.....

**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..... the toy.

**1 mark**

**Q7**

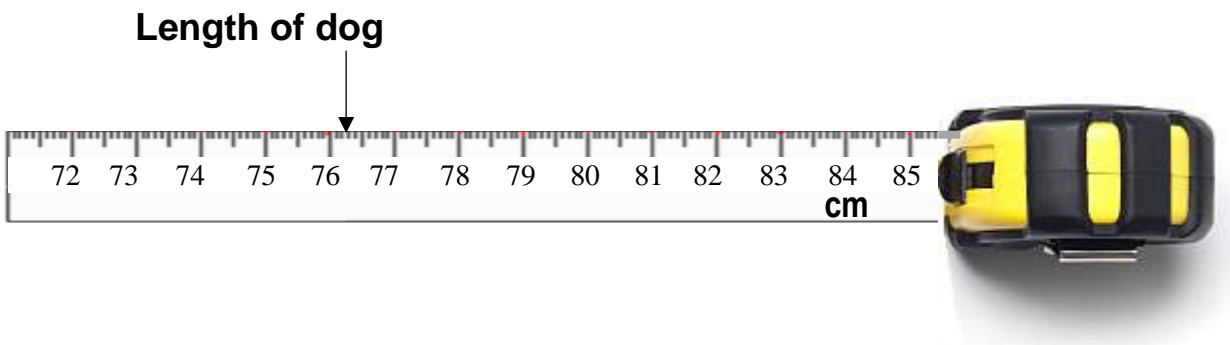
A woman wants to buy a drying bag like this one to dry her dog after wet and muddy walks.



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.



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

Size of drying bag .....

Reason.....

.....

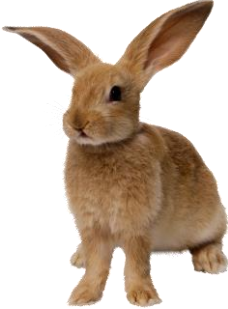
**3 marks**

**Q8**

A man brings his rabbit to the vet.

The vet nurse checks the temperature of the rabbit.

The temperature measures 103°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 .....

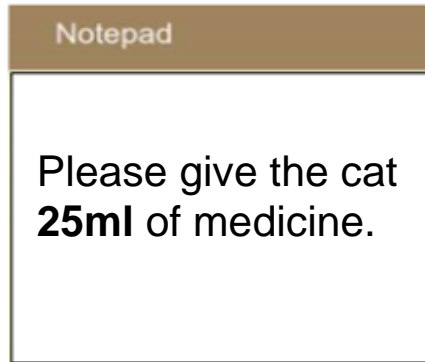
Reason.....

.....

**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.

.....

**2 marks**

The vet nurse works out the bill.

The fees cost £48, the overnight stay was £23 and medicine £17.

She does this sum  $£48 + £23 + £17 = £88$

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

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

Write your check here.

**2 marks**

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

These are the number of animals treated today.

**Dogs**



**Rabbits**



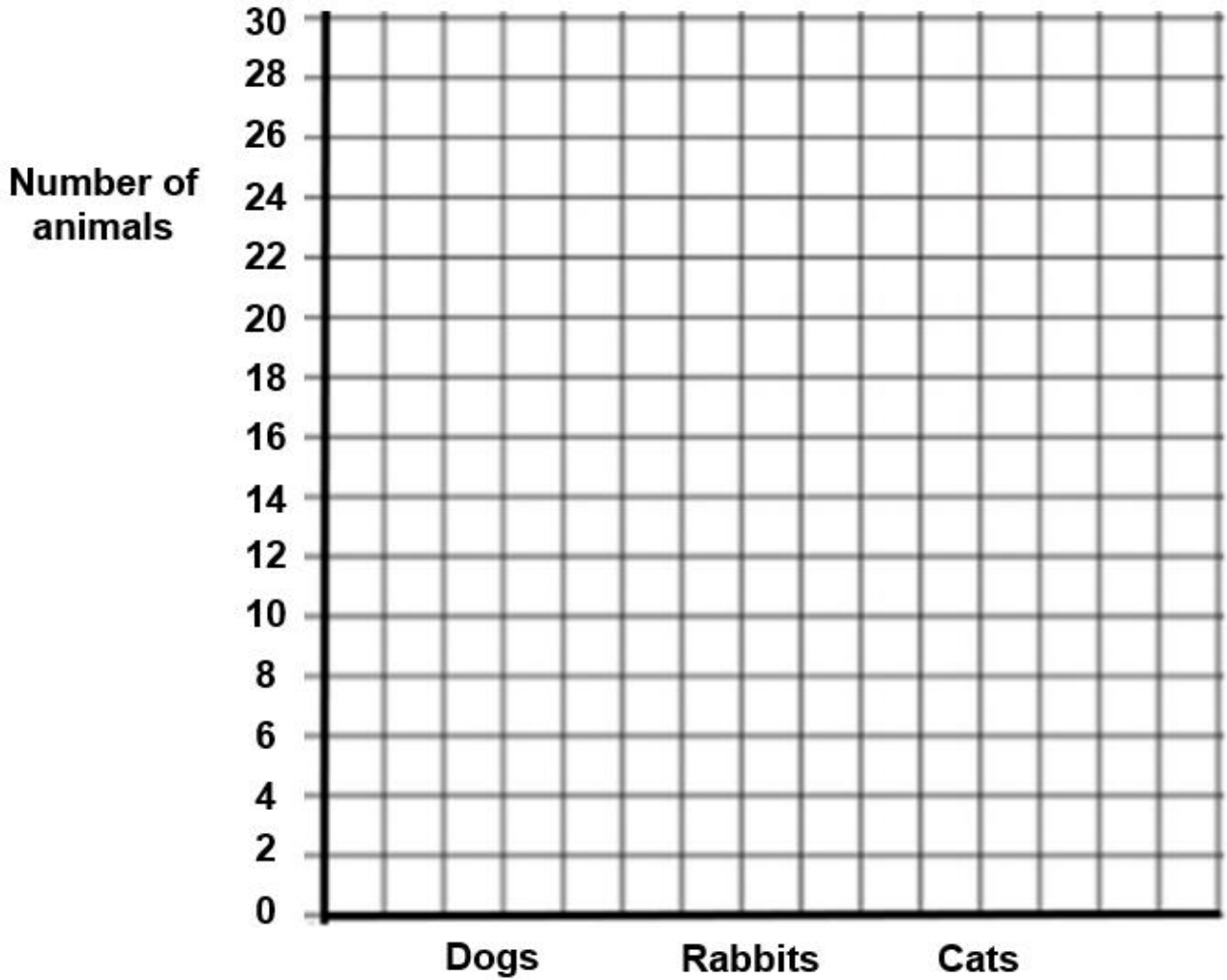
**Cats**



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.

**Animals treated**



**3 marks**

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

**b**

State one thing that the trainee can tell the vet?  
**Use numbers to explain your answer.**

.....  
.....  
.....

**2 marks**

**Total marks: 27**

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