

MATHS & ENGLISH TRANSITION: HEALTH & SOCIAL CARE



MATHS IN HEALTH & SOCIAL CARE

Thank you for choosing Health and Social Care!

There are three parts to the introductory maths tasks.

TASK 1 is a diagram, asking you to think of all the different ways you may use Mathematics in your chosen career.

TASK 2 is three scenarios that you may encounter. Please work out the solution.

TASK 1:

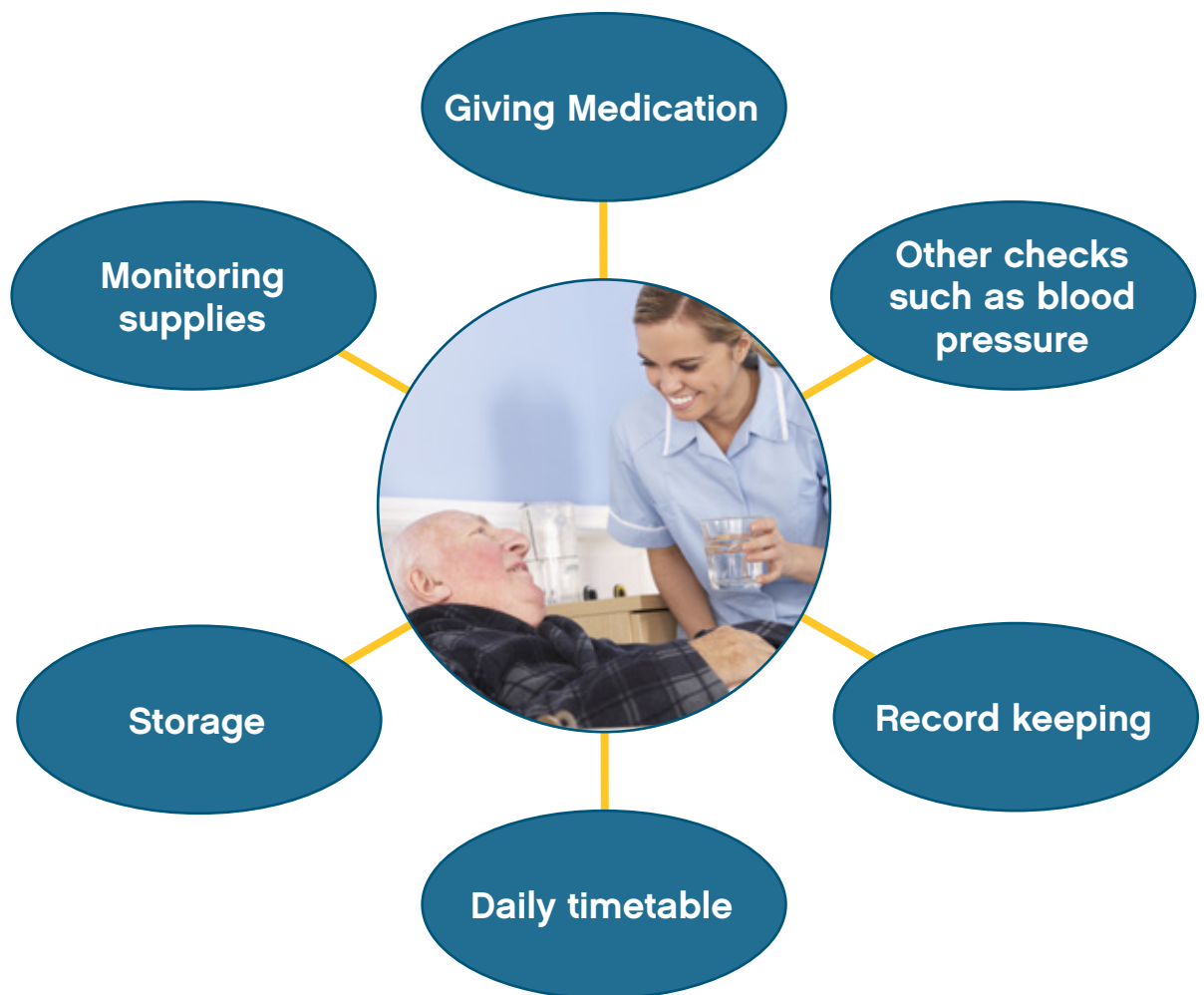
Complete the table using the Tasks/Jobs on the Bubble Diagram.

TASK 2:

Work through the three scenarios, answering every question you can.

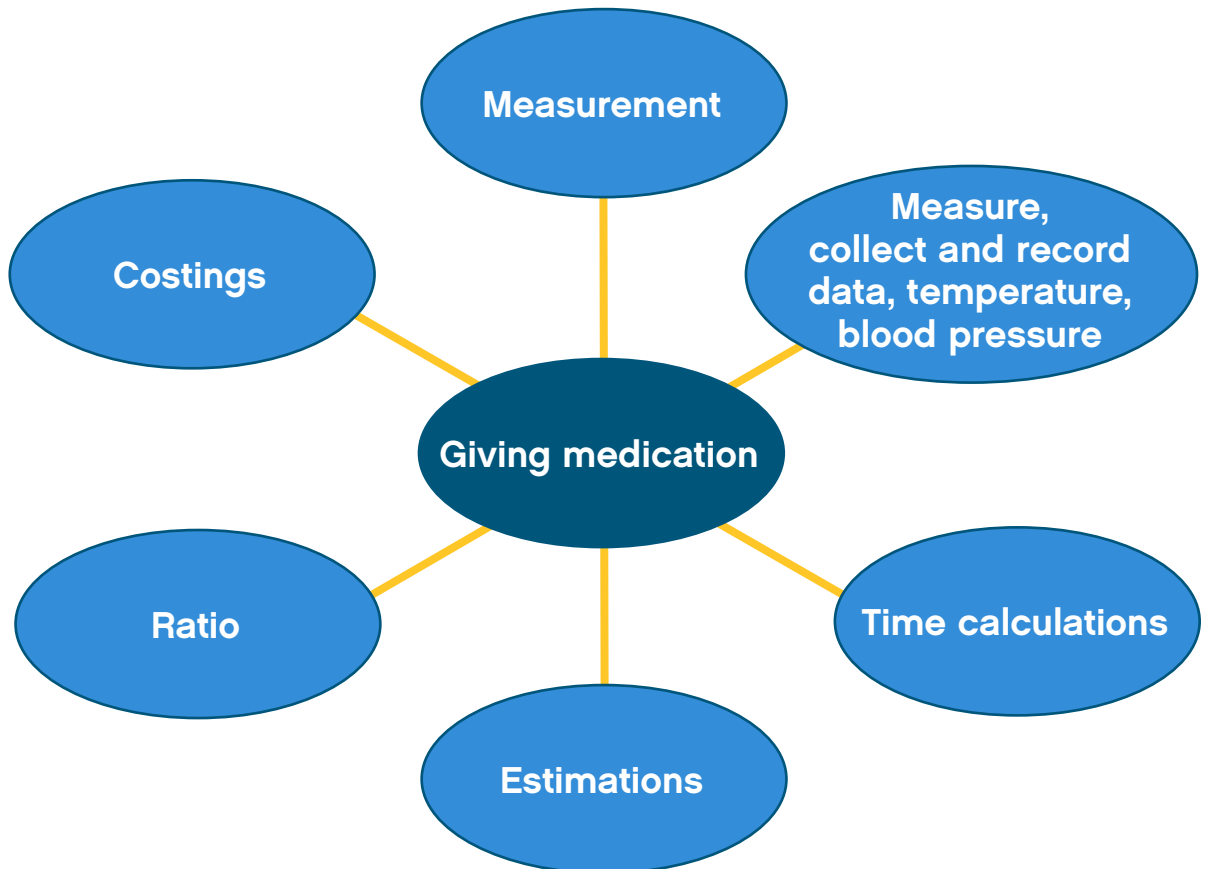
TASK 1: BUBBLE DIAGRAM

Give examples of the ways the tasks/jobs in the diagram below will require good Mathematics skills. List your examples in the table on the next page.



Example to help with **TASK 1:**

Maths which underpins one of these tasks: Giving Medication



Task/Job	Example of Mathematics Skills Needed
Giving Medication	Costing, Measuring, Keeping time

TASK 2:

Work through the three scenarios, answering every question you can.

SCENARIO 1: MIDWIFE

Ensuring the health and wellbeing of mother's and babies.



1. A baby weighs 3.49 kg at birth, by the fifth visit the baby's weight has increased by 1.31 kg. What is the baby's current weight?
2. The mother's weight increased by 9.88 kg throughout the course of the pregnancy. Five weeks after giving birth she is weighed at the clinic and has lost 6.30 kgs. What is her current weight, if she initially weighed 78.9 kgs?
3. You estimate that over the next four weeks the baby's weight will increase by 240 gms a week. How much weight will the baby gain over the four weeks? what will baby weigh?
4. If over the course of six months the baby's weight increases by 6.26 kg, what is the baby's average weekly weight gain?

SCENARIO 2: MANAGER

Work out the wages of your staff.



You have to calculate the wages for the staff at the carehome.
Calculate the following:

Jane works 37.5 hours and earns £8.80 p/h

Lisa earns £8.70 p/h and works 22.75 hours

Cath earns £9.15 p/h and works 22 hours

At the end of the year, they are all given a 2.2% wage increase.
What are their wages now?

SCENARIO 3: OCCUPATIONAL THERAPIST

Helping your client redesign a new home and improve his health.



1. The garden is in a bad state and needs a concrete space so a wheelchair user can sit and move around in the garden. The part of the garden that needs to be changed is 10.75 meters long and 12.35 metres wide. What is the area of the concrete space? (area = length x width).
2. The kitchen work surfaces are too high for him to reach. He can reach 1.04 metres high. The surfaces are 1.47 metres, by how much does the surface need dropping?
3. You are with the social worker to get him Disability Allowance. he is entitled to £48.70 per week. What is this over a year?
4. The man is gaining weight quite rapidly due to lack of exercise. He has put on 9.75 kgs in five weeks. What is the average gain per week?

ENGLISH IN HEALTH & SOCIAL CARE

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CARING FOR THE COMMUNITY

As part of your career, you will be expected to care for people in whatever capacity your job requires. Imagine you are at the height of your career and you have been asked to go and inspect a Care Home/Hospital/Doctors' Surgery etc.

TASK 1:

You are asked to make notes on what you find within the establishment you are looking at and write a report to feed back to your district manager.

In your report, you should include:

- An introduction
- Your findings
- Statistics
- What the establishment needs to do to improve
- Solutions
- Conclusion.

COLLECTING INFORMATION

As part of your Health and Social Care course, you will have to obtain information, comment on it and present your own feelings about specific cases.

TASK 2:

Research the case of Gabriel Fernandez to gain an understanding of his case and the events that led to his shocking death.

COLLECTING INFORMATION

TASK 3:

The first report of child abuse was made on the 30th of October 2012, when Fernandez's teacher Jennifer Garcia had contacted the DCFS to notify the services of bruises found on Fernandez's body after he was allegedly assaulted by his mother.¹⁶ Based on Garcia's allegations, an investigation into potential child abuse was opened and assigned to Stefanie Rodriguez until January of 2013. In this period, Rodriguez had visited the family on various occasions as Garcia continuously reported more incidences of assault against Gabriel. In the social worker visits, Pearl Fernandez denied allegations of child abuse and stated that his injuries were the result of him playing roughly with his siblings, falling down the stairs or cutting his hair.¹⁷ By 30 January 2013, Rodriguez and her supervisor Kevin Bom signed a case transfer list to the Family Preservation Unit with the findings of their report of physical abuse as being 'inconclusive', with no cause of endangerment to the minors in the Fernandez household and were rather a placed in a 'high-risk' category of 'general neglect' based on Pearl Fernandez's method of corporal punishment.¹⁸

The case was transferred to the Family Preservation Unit who had assigned the case to Patricia Clement, who was under the supervision of Gregory Merritt.¹⁹ The Unit itself works alongside the DCFS to provide parent training programmes, counselling and child-orientated activities to assist dysfunctional families in meeting their child welfare duties.²⁰ Before Clement made her visit to the Fernandez family home, a family risk assessment was taken by an in-home counsellor, who had found that the children were exposed to a high-risk environment of abuse. On 27 February 2013, the counsellor had reported the matter to the DCFS and the authorities, but no arrests were made.²¹ In March 2013, Clement and the counsellor had visited the family home. According to their findings, the children were healthy and not subjected to any acts of abuse. On 6 March 2013, Clement had presented a recommendation to the DCFS to close its investigation with the Fernandez matter and made observations that Pearl Fernandez was deemed fit as a parent to protect her children from any threat to their wellbeing. She did not suffer from any mental health issues and had created a safe environment for the upbringing of her children.²² Such findings were contested by the People in the Trial Court and alleged that Clement had falsified her observations and should be charged for violating Government Code 6200.²³ On 7 April 2013, Merritt approved Clement's findings on the reason that there was a reduced risk of neglect and had permitted her recommendation for the case to be closed.

Answer the following questions from what you have just read:

- What happened on 6th March 2013?
- Who first notified the DCFS of their concerns in regards to Gabriel?
- Why is it the duty of teachers, social services etc to look after children?
- If you would have been a part of the initial investigation, what would you do differently?