

# Functional Skills Certificate FUNCTIONAL MATHEMATICS

Level 1
Data Book (Examination)

March 2018

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#### Instructions

 This copy of the Data Book is for use in the examination. It should not be given to students in advance.

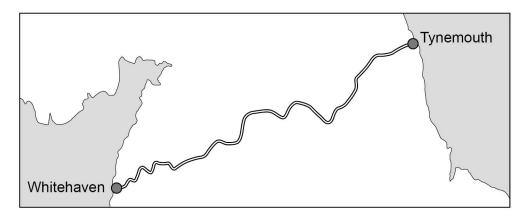
#### **Advice**

• This book will not be collected in for marking. Ensure that all working that you wish to have marked is written in the space provided in the Question Paper/Answer Book.

#### **Data Sheet for Coast to Coast**



The Coast to Coast cycle route starts at Whitehaven and finishes at Tynemouth.



The cycle route usually takes between 3 days and 5 days to complete.

## Overnight stays

Here is some information about possible places for overnight stays along the route.

| Place      | Distance from Whitehaven |  |
|------------|--------------------------|--|
| Whitehaven | 0 km                     |  |
| Keswick    | 50 km                    |  |
| Greystoke  | 77 km                    |  |
| Penrith    | 89 km                    |  |
| Melmerby   | 103 km                   |  |
| Alston     | 120 km                   |  |
| Rookhope   | 148 km                   |  |
| Stanhope   | 156 km                   |  |
| Consett    | 179 km                   |  |
| Newcastle  | 206 km                   |  |
| Tynemouth  | 225 km                   |  |

## Distance between places

The distance between places can be worked out from the table.

## **Example**

The distance from Alston to Consett = 179 - 120= 59 km

#### **Data Sheet for Heating**

#### Winter fuel payment

People born before 5 August 1953 got a payment in 2017 to help pay their heating bills.

How much a person got depended on who they were living with in the **qualifying week**.

For 2017, the qualifying week was 18 September to 24 September 2017

|   | Born before 5 August 1953            |  |
|---|--------------------------------------|--|
|   | Aged under 80 in the qualifying week | Aged 80 or over in the qualifying week |
| Person lives alone  |                                      |  |
| or  | £200                                 | £300                                   |
| is the only person in the household who gets a payment            | 2200                                 | 2000                                   |
| Person lives with someone aged under 80 who also gets a payment   | £100                                 | £200                                   |
| Person lives with someone aged 80 or over who also gets a payment | £100                                 | £150                                   |

#### Example 1

Betty and Vic live together.

Betty was 86 years old in the qualifying week.

Vic was born in 1957

Betty got a payment of £300

Vic did not get a payment.

#### Example 2

John and Mary live together.

John was born in 1927

Mary was born in 1935

John got a payment of £150

Mary also got a payment of £150

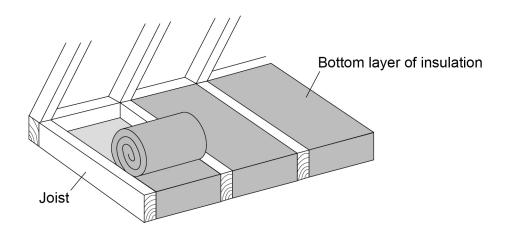
#### Insulating a loft

Insulating a loft will reduce the amount of heat the house loses.

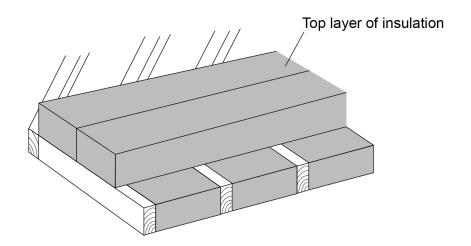
This will result in lower heating costs.

#### Instructions

1 Put a bottom layer of insulation between the joists.



2 Put a top layer of insulation over the joists and the bottom layer.



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