

A



Functional Skills Certificate

FUNCTIONAL MATHEMATICS

Level 2

Data Book (Examination)

November 2018

4368/INS

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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.**

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DATA SHEET FOR ANGLING

ANGLERS

Anglers try to catch fish.



In competitions, anglers try to catch the biggest total weight of fish.

ANGLING COMPETITION

Some competitions start with quarter-finals, then have semi-finals and a final.

Each quarter-final has 9, 12 or 15 anglers.

The table shows the number of anglers who qualify for a semi-final.

Quarter-finals	
Number of anglers in quarter-final	Number of anglers who qualify for semi-final
9	3
12	4
15	5

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Qualifiers from each semi-final take part in the final.

Each semi-final has 12, 16 or 24 anglers.

The table shows the number of anglers who qualify for the final.

Semi-finals	
Number of anglers in semi-final	Number of anglers who qualify for final
12	3
16	4
24	6

WEIGHT

The weight of each fish can be measured in
pounds (lb) and ounces (oz)

or

kilograms (kg) and grams (g).

1 lb = 16 oz

Converting ounces to grams

To convert a weight from ounces to grams, use the formula

$$y = 28.35x$$

where

y is the weight in grams

x is the weight in ounces

EXAMPLE

Convert 376 ounces to grams.

$$28.35 \times 376 = 10\,659.6$$

376 ounces is 10 659.6 grams.

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DATA SHEET FOR COUNCIL TAX

If you own or rent your home, you usually have to pay Council Tax.

There are eight bands of Council Tax, from A (lowest) to H (highest).

The more valuable your home, the higher your band and the more money you have to pay.

The table shows the council tax PER HOME for each band in three areas of Waybridge.

	Council Tax bands (£ per year per home)			
	A	B	C	D
Heath	1121.59	1308.51	1495.44	1682.38
Mossett	986.59	1151.01	1315.45	1479.89
Kribly	1190.85	1389.31	1587.79	1786.27

	Council Tax bands (£ per year per home)			
	E	F	G	H
Heath	2056.23	2430.10	2803.96	3365.76
Mossett	1808.74	2137.61	2466.47	2959.77
Kribly	2183.21	2580.16	2977.11	3572.54

Council Tax covers the period from April 1st of one year to March 31st of the next year.

In Waybridge, you can pay your Council Tax in 10 monthly payments from April to January.

You normally pay the full Council Tax if you are aged 18 or over.

You get a 25% DISCOUNT if you are the ONLY person aged 18 or over living in your home.

EXAMPLE

Tina is 32 and lives on her own in Kribly.

The Council Tax band for her home is band C.

- **The band C amount for Kribly is £1587.79 per year.**
- **Tina gets a 25% discount, so she pays £1190.84 per year.**
- **She pays in 10 monthly payments.**

$$1190.84 \div 10 = 119.084$$
- **This is rounded to the nearest pound.**
- **An adjustment is made in April to give the correct total for the year.**

$$1190.84 - 119 \times 9 = 119.84$$
- **Tina pays £119.84 in April.**
- **She then pays £119 each month from May to January.**

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DISABLED PEOPLE

If you are disabled and your home is adapted for your needs, your home is re-banded.

It is re-banded to one band LOWER THAN the usual band for that home.

You can still get the discount for living alone.

Use of Council Tax in Waybridge

Looking after children	15%
Education	8%
Road repairs and street lighting	7%
Buses	8%
Care for vulnerable adults	32%
Homelessness	5%
Arts and leisure	7%
Bin collection	4%
Street cleaning and flood defences	2%
Trading standards and food safety	2%
Planning	3%
Other services	7%

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