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# Functional Skills Certificate

## FUNCTIONAL MATHEMATICS

Level 1

Data Book (Examination)

November 2018

**4367**

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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.**

**[Turn over]**

## DATA SHEET FOR ANGLING

### ANGLERS

**Anglers try to catch fish.**



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

**ANGLING COMPETITION**

An angling competition has some semi-finals and a final.

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

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

<b>Number of anglers in semi-final</b>	<b>Number of anglers who qualify for final</b>
<b>12</b>	<b>3</b>
<b>16</b>	<b>4</b>
<b>24</b>	<b>6</b>

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**WINNING A COMPETITION**

In the final, anglers are ranked by total weight of fish.

Anglers with the same total weight of fish are ranked by the highest number of fish.

Anglers with the same total weight of fish and number of fish are ranked by heaviest fish.

**EXAMPLE**

In a competition, three anglers have the same biggest total weight of fish.

<b>Angler</b>	<b>Total weight of fish</b>	<b>Number of fish</b>	<b>Heaviest fish</b>
<b>Jared</b>	<b>163 lb 2 oz</b>	<b>8</b>	<b>46 lb 11 oz</b>
<b>Stan</b>	<b>163 lb 2 oz</b>	<b>6</b>	<b>47 lb 8 oz</b>
<b>Lucy</b>	<b>163 lb 2 oz</b>	<b>8</b>	<b>45 lb 4 oz</b>

**Jared comes first.**

**Lucy comes second.**

**Stan comes third.**

## **WEIGHT**

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

or

kilograms (kg).

### **Converting pounds to kilograms**

To convert a weight from pounds to kilograms, use the following steps.

**STEP 1**      multiply the number of pounds by 5

**STEP 2**      divide the answer to STEP 1 by 11

### **EXAMPLE**

Convert 33 pounds to kilograms.

$$33 \times 5 = 165$$

$$165 \div 11 = 15$$

33 pounds is 15 kilograms.

[Turn over]

## 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	£1122	£1309	£1495	£1682
Mossett	£987	£1151	£1315	£1480
Kribly	£1191	£1389	£1588	£1786

	Council Tax bands (£ per year per home)			
	E	F	G	H
Heath	£2056	£2430	£2804	£3366
Mossett	£1809	£2138	£2466	£2960
Kribly	£2183	£2580	£2977	£3573



**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 £1588 per year.**
- **Tina gets a 25% discount, so she pays £1191 per year.**
- **She pays in 10 monthly payments.**  
 $1191 \div 10 = 119.1$
- **She pays £119.10 each month from April to January.**

**[Turn over]**

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

**EXAMPLE**

**Tina's Council Tax is £1191**

**The council uses 4p per £ for bin collection.**

$$1191 \times 4 = 4764$$

**The council uses £47.64 of her Council Tax for bin collection.**

**END OF DATA**

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