Level 1 Adult Numeracy questions: Common measures.
These practice questions are taken from Key Skills AoN Adult Numeracy test 21 January 2002
(questions 1-7) and AoN 13 November 2000 (questions 8-19)
You may NOT use a calculator. Bilingual dictionaries may be used.

1 The capacity of a carton of milk is 500ml.

Another unit for capacity is

A litres

B centimetres

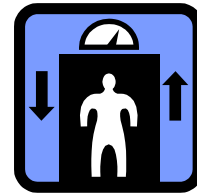**C** square centimetres

D kilograms

Questions 2 and 3 are about a passenger lift.

2 A lift in a block of flats travels from the tenth floor to the second floor.

The distance between each floor is 3.5m.

How far does the lift travel?

A   350m

B   280m

C   35m

D   28m

3 There are six people in the lift.

Their weights are 87.6kg, 92.1kg, 47.3kg, 66.3kg, 52.7kg, 80.2kg.

What is their total weight?

A   4.262kg

B   42.62kg

C   426.2kg

D   4262.0kg

4 A loaf of bread weighs 400 grams.

What is the weight in kilograms of 50 loaves?

A   2kg

B   20kg

C   200kg

D   2000kg

Question 5 is about a student preparing for her driving test.

5 Her driving test is booked for 1330. The student leaves home at 1145.

How many minutes before her driving test is this?

A   90

B   105

C   165

D   2475

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6 This is part of the train timetable from Bristol to London.

A person needs to arrive in London by quarter past eight in the morning.

Bristol	0540	0606	0645	0815
Bath	0552	0618	0657	0827
Chippenham	0603	0629	0708	0838
Swindon	0619	0645	-------	0854
Didcot	0636	0702	0735	-------
Reading	0651	0717	-------	0925
Slough	-------	-------	-------	-------
London	0721	0753	0818	0956

What is the time of the latest train she can catch from Bristol?
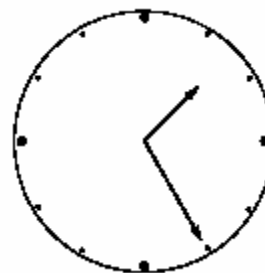
A 0540

B 0606

C 0645

D 0815

7 The queuing time for a ride in a theme park is 50 minutes.

A boy checks his watch when he joins the queue.

The diagram shows the time on his watch.

What time should the ride start?

A   1355

B   1405

C   1415

D   1420

Use the information below for questions 8 and 9.

This is the information on the side of a 420 g tin of baked beans.

Typical composition	One 210 g serving provides	100 g provides
Energy	853 kj/202 kcal	406 kj/96 kcal
Protein	11.3 g	5.4 g
Carbohydrate	37.0 g	17.6 g
Fat	0.8 g	0.4 g
Fibre	7.8 g	3.7 g
Sodium	1.1 g	0.5 g

8 How much fibre is there in the 420g tin of baked beans?

**A** 3.7 g

B 7.8 g

C 14.6 g

D 15.6 g

9 All the amounts in the table (except for Energy) are given to the nearest

A ten grams

B gram

C fifth of a gram

D tenth of a gram

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Use the information below for questions 10, 11 and 12.

Four friends have joined their local gym to lose some weight and get fit.

10 Jo stands on the scales first. How much does Jo weigh?
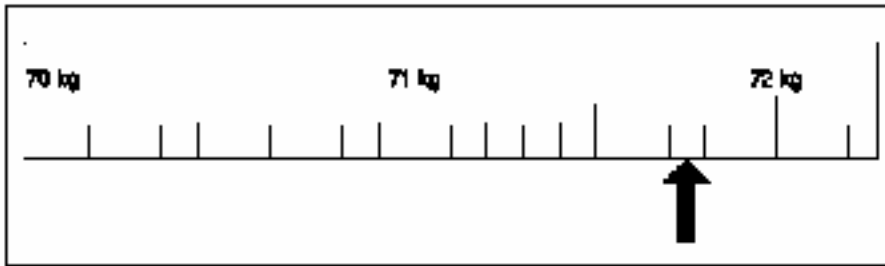
A 71 kg 7.5 g

B 71 kg 75 g

C 71 kg 750 g

D 72 kg

11 After one month the friends weigh themselves again. They write down their weight loss in a chart. How much weight have they lost in total after one month?

Name	Weight lost after 1 month
Jo	500 grams
Hasran	1 kilogram
Kevin	1 kilogram 200 grams
Cathy	750 grams

A 2 kilograms

B 2 kilograms 450 grams

C 3 kilograms

D 3 kilograms 450 grams

12 Hasran wants to lose 10 kilograms. After two months he has lost $\frac{2}{5}$ of this amount. How much weight has he lost?

A 0.4 kg

B 2 kg

C 2.5 kg

D 4 kg

13 Janine is paid for each complete quarter hour she works.
She works 7 hours 40 minutes on one day. How long will she be paid for?

A 7 hours

B 7½ hours

C 7¾ hours

D 8 hours

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Page 3

Use the information below for questions 14, 15 and 16.

Penny is buying loose nails in a do-it-yourself shop. She puts a handful in a bag.
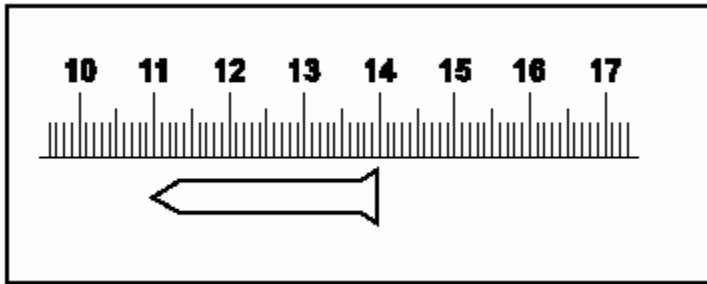
14 The picture shows one of the nails beside a centimetre measuring tape.
What is the length of the nail?

A 30 cm

B 14 cm

C 30 mm

D 11 mm

15 Each nail weighs 7 grams. Penny's bag of nails weighs 300 grams (weighed to the nearest 5 grams). How many nails are in the bag?

A 21

B 23

C 42

D 43

16 Penny needs 60 nails. Each nail weighs 7 grams.
How many grams of nails will she need altogether?

A 350 g

B 360 g

C 420 g

D 450 g

17 Rashid arrives at Cambridge station at 6 minutes past 2 in the afternoon. He catches the next train to London Kings Cross. Here is the timetable.

Monday to Saturday						
Cambridge	12.47	13.47	13.58	14.17	14.31	14.47
London Liverpool Street			15.16		15.42	
London Kings Cross	13.36	14.36		15.06		15.36

What time does he arrive at Kings Cross?

A 13.36

B 15.06

C 15.36

D 15.42

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Page 4

Use the information below for questions 18 and 19.

Houses that have oil-fired heating have tanks outside for storing the heating oil.

18 A tank for heating oil has a measuring gauge. This shows how many litres of oil are in the tank.

The picture shows part of the gauge
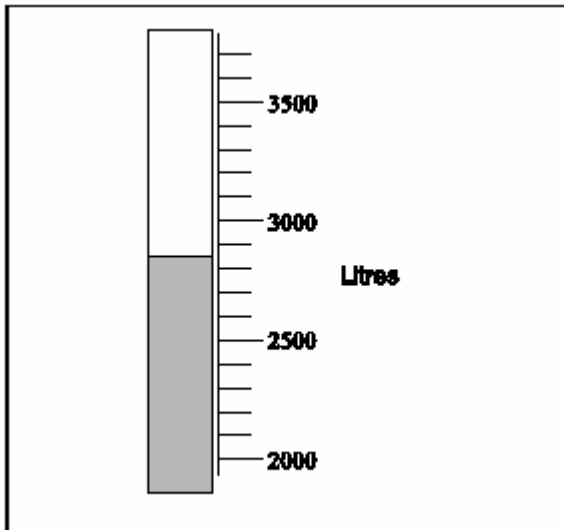
How much oil is in the tank?

A 2675 litres

B 2700 litres

C 2850 litres

D 2925 litres

19 The amount of oil is measured in litres.

The amount of oil could also be measured in

A metres

B square metres

C degrees

D cubic metres

Please write your answers in the table below.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	Total

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Answer key – Level 1 MSS1 Common Measures (excluding area / volume)

1	2	3	4	5	6	7	8	9	10
A	D	C	B	B	B	C	D	D	C
11	12	13	14	15	16	17	18	19	Total
D	D	B	C	D	C	B	C	D	

Notes

- These questions were originally used in the middle of Term 2 in an adult pre-GCSE maths class. They could be used for homework or as an in-class mini test (allow about half an hour).
- All questions have been copied and pasted (with permission from QCA) from previous City and Guilds Application of Number or Adult Numeracy tests.
- Additional clip art has been added to some questions. There were two reasons for this: it makes the test more 'friendly' and is helpful for ESOL numeracy students.

Curriculum coverage

- MSS1 (common measures): questions do not cover area and volume (this was covered in the second half of Term 2 in our class – see below).

Adult pre-GCSE Maths

- An interactive scheme of work for this course (covering all Level 1 and Level 2 numeracy elements) will be appearing on the site in Autumn 2003.
- Related documents already on site include:
  Mapping document (uses Edexcel Foundation GCSE Maths text book).
  Half term assessment (covers all N1, L1 & L2, elements except ratio and proportion, and algebra \ substitution) and answer sheet.
  Miscellaneous Level 1 and 2 worksheets.
  Practice L1 N1 / N2 test questions (does not include ratios or percentages).

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Page 6