

Practice Test X Numeracy Level 1

Name _____

Date _____

Key skills application of number
Adult numeracy
Level 1

Test Paper X (college devised)

YOU NEED

This test paper
A ruler marked in mm and cm
You may NOT use a calculator
You may use a bilingual dictionary

Do NOT open this paper until you are told to do so by the supervisor

There are 40 questions in this test

Total marks available: 40

Try to answer ALL the questions

YOU HAVE 1 HOUR AND 15 MINUTES TO FINISH THE TEST

INSTRUCTIONS

Make sure your personal details are entered correctly at the top of this sheet and on the answer sheet.

Read each question carefully.

Write your answers clearly on the answer sheet.

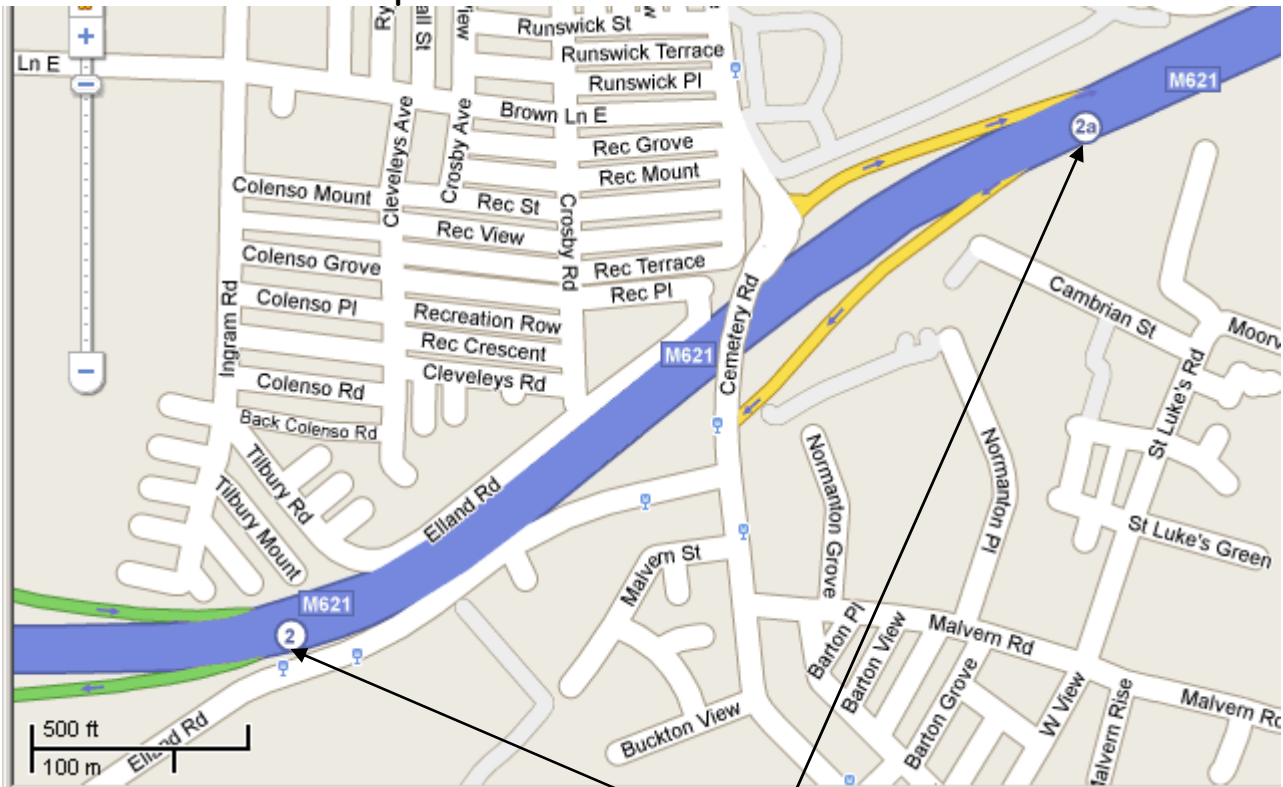
Use blank paper for your workings out. Please hand these in at the end of the test.

REMEMBER: YOU HAVE 1 HOUR AND 15 MINUTES TO FINISH THE TEST

Practice Test X Numeracy Level 1 – Answer Sheet

1. Round £12,007.58 to the nearest £100
2. Estimate the cost of 220 tins of paint costing £9.12 each.
3. Rewrite these fractions in ascending size order:
 $\frac{3}{4}$ $\frac{5}{6}$ $\frac{2}{3}$ $\frac{7}{12}$
4. 45% of the people on an island are female. If there are 400 people altogether, how many are female?

5. Look at the map below.



How far is it between junctions 2 and 2a of the motorway to the nearest 200 metres?

Practice Test X Numeracy Level 1 – Answer Sheet

6. If 8 Km is about 5 miles, about how many miles is 47 Km to the nearest 10 miles?

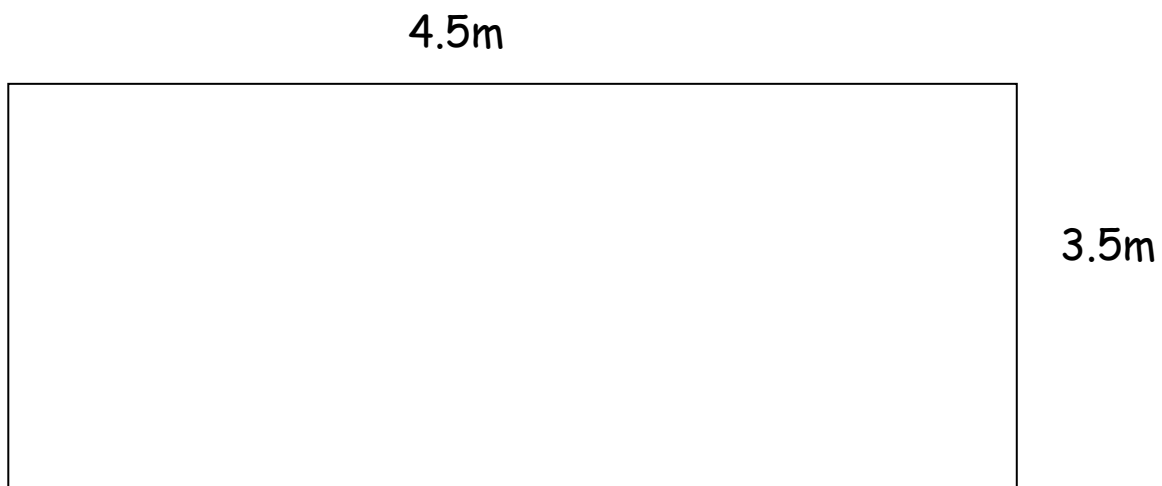
7. Jake buys a 1.5l bottle of water and pours out 3 cups of 200 ml each. How much water is left in the bottle?



8. A dice has sides of 1 cm. What is its volume in cubic mm?

Questions 9 and 10 are about carpeting a room.

9. Jan wants to put carpet tiles on this rectangular floor.



Each tile is 50cm square. Carpet tiles come in packs of 10 at £21.50 per pack. How many packs will she need?

10. What will the cost of the tiles be?

Practice Test X Numeracy Level 1 – Answer Sheet

Questions 11 and 12 are about test results.

11. These are the scores of a group of adults on a Level 1 Literacy Test.

27	38	23	30	40	38	31	19	33
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What was the mean score?

12. What is the range of the scores?

13. What is the height of an average door to the nearest metre?



14. Thirteen people share a lottery win of £57720. How much does each get?

15. These are the ingredients for a 1-person omelette.

2 eggs
1 tablespoon butter
50g cheese
15 ml milk

How much milk would you need to make 15 omelettes?

Practice Test X Numeracy Level 1 – Answer Sheet

Questions 16 – 19 are about a cinema.

Look at the chart and answer the questions about it.

Day of week	Monday	Tuesday	Wednesday	Thursday	Friday
Adults	300	321	348	149	424
Children	80	128	78	104	165

16. The manager records the numbers of people attending the cinema from Monday to Friday in a week.
What is the daily mean number of children?

17. Tickets are £5.75 for adults and £4.50 for children. How much money was made from tickets on Thursday and Friday?

18. How much greater was the range in the number of adults attending than the range in the number of children attending?

19. On Monday and Tuesday 208 children's tickets were sold, with a value of £936. What calculation checks this?

A $936 \times 4.5 = 208$

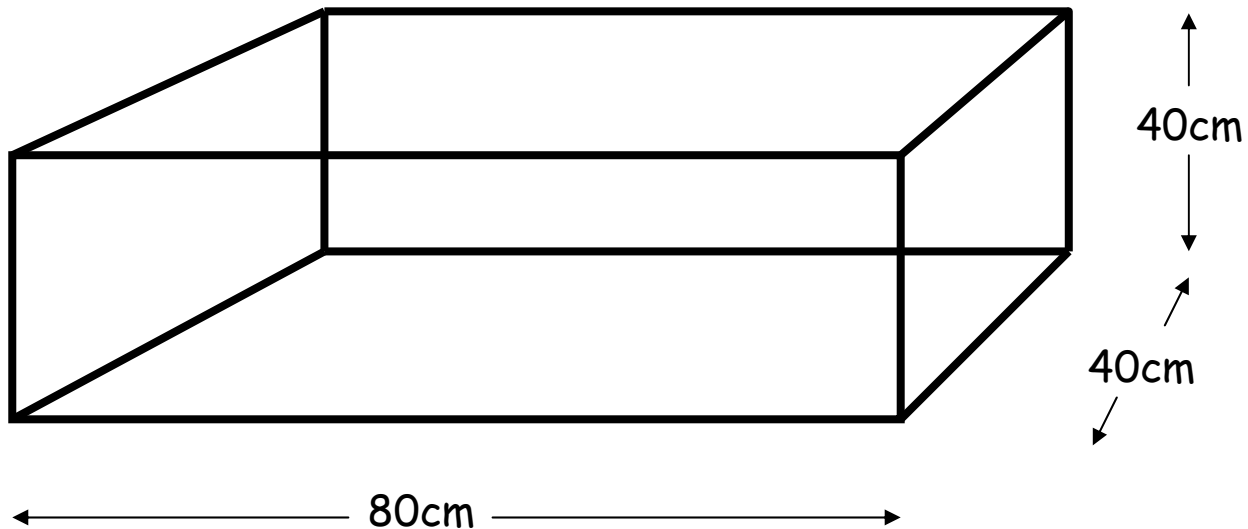
C $\frac{4.5}{208} = 936$

B $\frac{936}{208} = 4.5$

D $\frac{208}{4.5} = 936$

Questions 20 and 21 are about a supermarket.

20. A tin of soup has a diameter of 8cm and is 10cm tall. How many can be packed into the box below?



21. Soup sells for £1.19 a tin in a supermarket. The supermarket buys a box of 40 for £20.94. How much profit do they make per box?
22. 5987 people were surveyed and 81% of them preferred butter to margarine. About how many people is that?

Questions 23 and 24 are about a factory.

23. A factory employs 503 women and 397 men. What is the approximate ratio of men to women employees?
24. A quarter of the workers went on a night out, paying £9.50 for a ticket to a show. How much did they spend on tickets altogether to the nearest £10?

Questions 25-27 are about organizing a club meeting.

25. The table below shows the cost of hiring the hall.

Aberford Hall Hire Rates	
Mon-Fri	£15/hr
Sat	£37.50/hr
Equipment Hire	£22 extra per booking
Deposit - 20% of total cost	

If you book the hall for 4 hours on a Saturday with equipment hire, which calculation gives the deposit?

- A $22 + (37.5 \times 4) + \frac{20}{100}$ C $37.50 + 22 \times 4 \times \frac{20}{100}$
- B $22 + (37.5 \times 4) \times \frac{20}{100}$ D $37.50 - 22 \times 4 + \frac{20}{100}$

26. The committee makes 40 litres of a lemon drink for the refreshments. They mix the lemon concentrate and water in the ratio 1:7. How many litres of lemon concentrate do they use?

27. Committee membership fees go up from £24 to £30. What is the percentage increase?

28. Two places are 15 cm apart on a map. The scale is 1:10000. How far apart are they in real life?

29. How many strands of wool for rugmaking can be cut from a 1.54m length of wool? Each piece of wool must be 7.7cm long.

30. How many centimeters are there in 3.8 Km?

31. A plane flies at 660 Km/hour for 2 hours 40 minutes. How far did it go in this time?

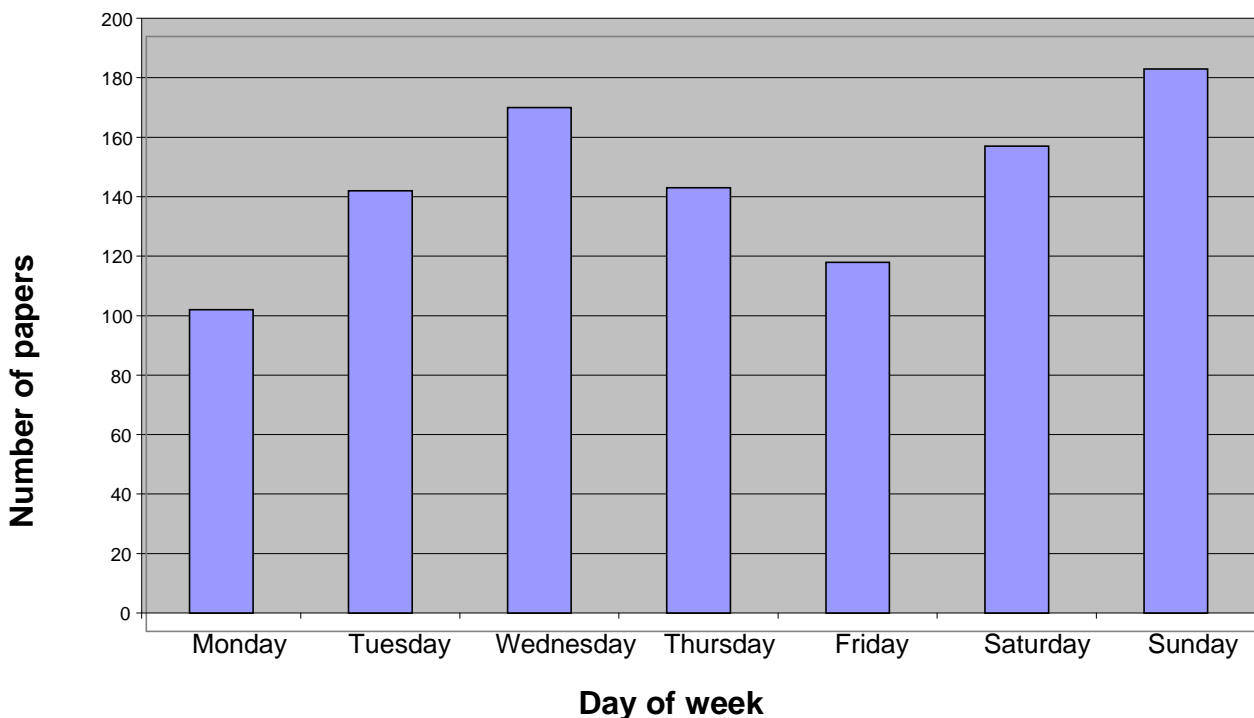
Practice Test X Numeracy Level 1 – Answer Sheet

32. 22% of people clean their teeth in the morning. Is this:

- A A little less than a quarter?
- B A little more than a quarter?
- C A little less than a third?
- D A little more than a third?

33. Look at the table below. Roughly how many more papers were sold in the week than at the weekend?

Number of newspapers sold in local shop



Questions 34 to 367 are about a theme park.

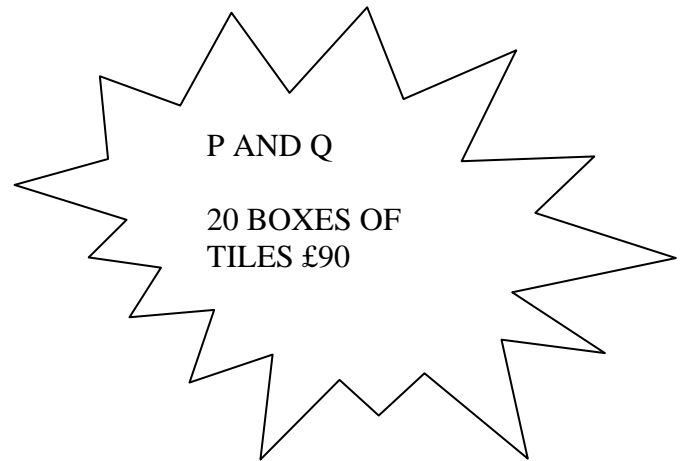
34. At a theme park, 20 012 rides were taken on one day. 4 013 of these were on the Big Dipper. Roughly what fraction of the total rides were on the Big Dipper?

35. If each ride cost £3.50, how much was spent on rides all day?

36. The Big Dipper is 130 feet high. If 3 feet = about a metre, how high is the Big Dipper to the nearest 10 metres?

Practice Test X Numeracy Level 1 – Answer Sheet

37.



Amina needs 20 boxes of tiles. Which is the best buy, and by how much?

38. Yasmin is having a party. She is making some non-alcoholic punch. There are 30 guests. She estimates each guest will drink three 200ml cups. Each litre of punch will contain 250ml of orange juice. Which calculation checks how much orange juice she needs to buy?

A $\frac{30 \times 3 \times 1000}{250 \times 200}$

C $\frac{30 \times 3 \times 200}{1000} \times \frac{1000}{25}$

B $\frac{30 \times 3 \times 250}{1000} \times \frac{1000}{200}$

D $\frac{30 \times 3 \times 200 \times 250}{1000 \times 1000}$

39. A toy company makes dice of side 1 cm. How many of these dice would fit inside a cube of side 1m?

40. The bus from Leeds city centre to Bradford takes 55 minutes. Buses leave Leeds at twenty to the hour, every hour. Jed lives 10 minutes away from Leeds City Centre. He wants to be in Bradford for 09.45 am. What time should he leave home?

Practice Test X Answer Sheet Name _____ Date _____

1		21	
2		22	
3		23	
4		24	
5		25	
6		26	
7		27	
8		28	
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16		36	
17		37	
18		38	
19		39	
20		40	

Please also hand in any rough workings

Practice Test X– Answers

1	£12 000	21	£26.66 (£47.60 - £20.94)
2	About $200 \times 10 = \text{£}2000$	22	4800
3	$7/12, 2/3, \frac{3}{4}, 5/6$	23	4:5
4	180	24	£2140 (£2137.50 rounded up)
5	600 m *see note below	25	B
6	30 miles	26	5 litres
7	900 ml	27	25%
8	1000 m^3	28	1.5 km (1 and a half km)
9	7 packs (63 tiles needed)	29	20 strands
10	£150.50	30	380 000
11	31	31	1760 km
12	21	32	A
13	2 m	33	336 (1 mark for 320 - 350)
14	£4440	34	$1/5$
15	225 ml	35	£70 042
16	111	36	40m
17	£4505.25 (£3294.75+£1210.50)	37	Do 'Em All, by £2
18	$(275 - 85) = 190$	38	D
19	B	39	1 000 000 (a million)
20	200	40	8:30

* This answer will vary depending on the size of your printout. For best results set page scaling to "none" in the Adobe Acrobat print dialogue box (normal default option is "fit to printable area").

Teaching notes and curriculum references

Covers most areas of the L1 curriculum (number, measure and data).

Note that this test was written to provide extra practice after students were entered for a particularly difficult L1 national test – hence some of the questions are high Level 1 or Level 2.

Unlike the national test, the questions are not multiple choice. Therefore this test is also suitable for initial assessment or revision at both L1 and L2.

To obtain an editable version of the original Word document please send teaching ideas or any adult basic skills resource that you would like to share to

maggie@skillsworkshop.org

THANK YOU