

**Key skills application of number  
Adult numeracy  
Level 1**

**Practice Test Paper G**

**YOU NEED**

- This test paper
- An answer sheet

You may NOT use a calculator

You may use a bilingual dictionary

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**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**

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**INSTRUCTIONS**

- Make sure your personal details are entered correctly on the answer sheet
- Read each question carefully
- Follow the instructions on how to complete the answer sheet
- At the end of the test hand in the question paper, your answer sheet and all notes to the supervisor

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

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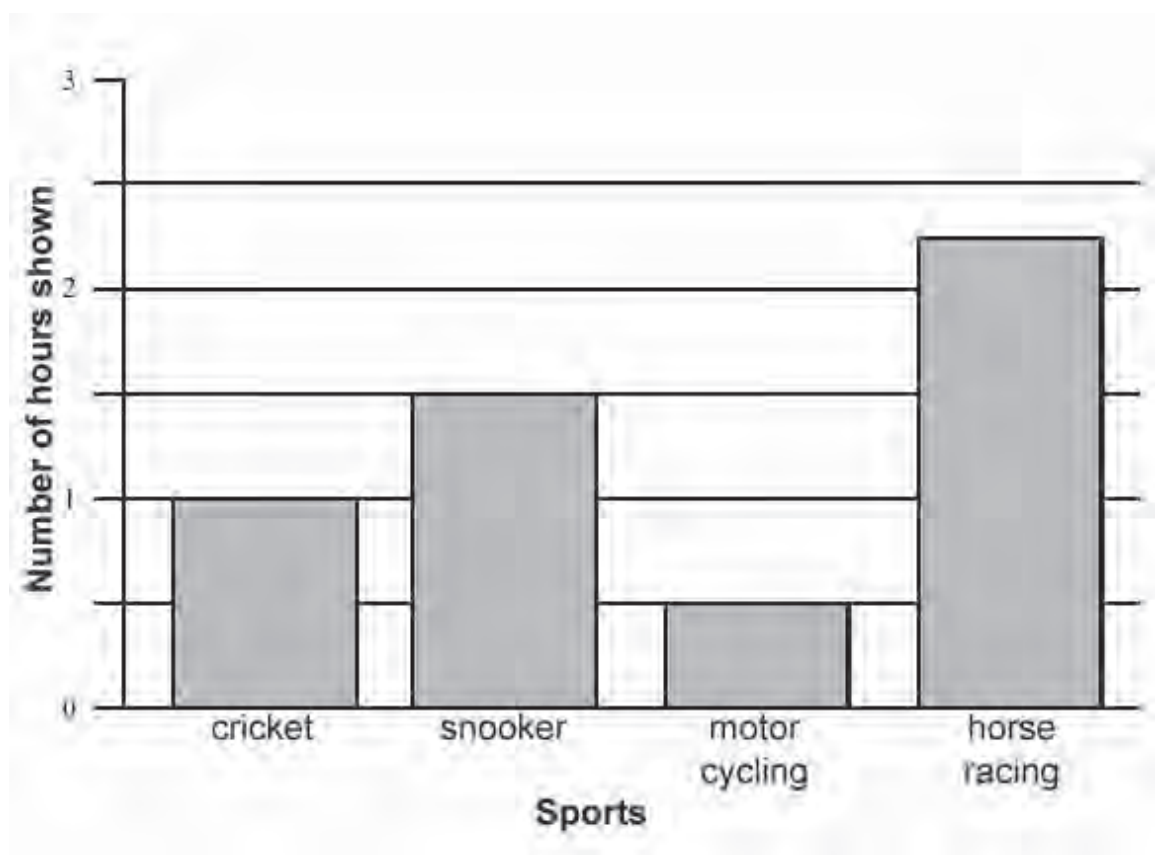
Note for learners and tutors. This is a practice test that has been put together using questions similar to those that you would find in a "live" Key skills application of number or Adult numeracy test. The layout of the test is also the same as that used for a live test.

1. The takings in the UK for one weekend for a film were £6.81 million.

This amount of money may also be written as

- A £681 000
- B £6 810 000
- C £68 100 000
- D £681 000 000

2. A Sunday afternoon sports programme on television showed four sports.  
The chart shows the number of hours given to each sport in the programme.



How long was the programme?

- A  $10\frac{1}{2}$  hours
- B  $5\frac{1}{2}$  hours
- C  $5\frac{1}{4}$  hours
- D  $4\frac{1}{2}$  hours

3. A total of 48 459 competitors finished a marathon.

How many is this to the nearest hundred?

- A 48 400
- B 48 450
- C 48 460
- D 48 500

4. A runner started a marathon at 10:30am. The watch face shows the time he finished.



How long did he take?

- A 3 hours 44 minutes
- B 4 hours 14 minutes
- C 5 hours 14 minutes
- D 5 hours 44 minutes

5. A runner in a half marathon had ten sponsors who paid:

£6   £12   £14   £5   £3  
£7   £9   £20   £6   £8

What is the range of the amounts paid?

- A £2
- B £6
- C £17
- D £20

6. The sponsors of a runner in a marathon paid her these amounts:

£6   £12   £14   £5   £3  
£7   £9   £20   £6   £8

What is the average (mean) amount of money each sponsor paid?

- A £3
- B £6
- C £9
- D £10

7. A playgroup leader is paid £5.30 per hour. Her payslip shows she earned £121.90 last week.

Which of these calculations gives the number of hours she worked?

- A  $5.30 \times 121.90$
- B  $5.30 \div 121.90$
- C  $121.90 \div 5.30$
- D  $121.90 \times 5.30$

8. A playgroup leader earns £121.90, with deductions of £17.32 Income Tax and £5.60 National Insurance.

How much does she receive after the deductions?

- A £97.98
- B £98.98
- C £99.02
- D £104.58

9. A carer at the playgroup takes home £85.30. She buys 2 CDs at £9.99 each.

What does she have left of the £85.30?

- A £65.28
- B £65.32
- C £75.29
- D £75.31

10. Twenty three per cent of the CDs in a teenager's collection are Rock.

How much of the collection is Rock?

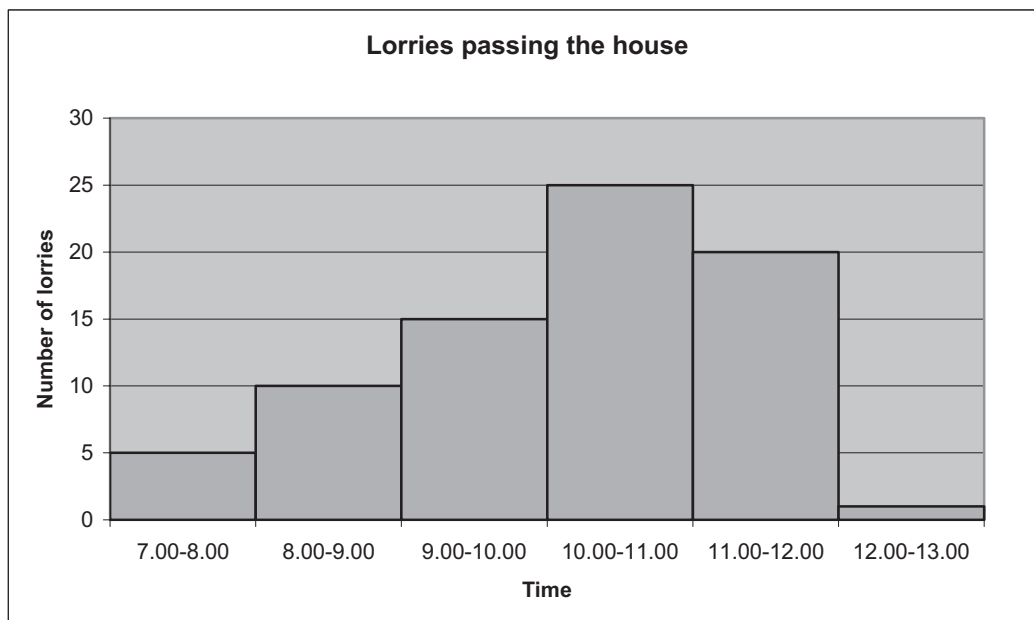
- A a little less than a quarter
- B a little more than a quarter
- C a little less than a third
- D a little more than a third

11. A CD has a total playing time of 1 hour 14 minutes. It has been playing for 39 minutes.

How much longer will it play?

- A 21 minutes
- B 25 minutes
- C 35 minutes
- D 75 minutes

12. A householder thinks that too many lorries pass his house. He collects some information one morning to send to the council. This chart shows the results.



How many lorries passed the house between 9:00 and 11:00?

- A 15
- B 40
- C 50
- D 70

13. A couple wanted to know the shortest route from their home to a holiday flat. They found four possible routes, all similar.

Route	Distance
1	59.5 miles
2	59.4 miles
3	58.4 miles
4	57.9 miles

If two of the distances are rounded to the nearest mile, they would work out the same.

Which two routes are they?

- A 1 and 2
- B 1 and 3
- C 3 and 4
- D 2 and 4

14. 3 000 people were asked whether they chose to use 'Soapysuds' or 'Greenclean' to do their washing up. 60% chose 'Greenclean'.

How many people chose 'Greenclean'?

- A 50
- B 60
- C 600
- D 1 800

15. The chart below shows the distances in miles between different cities.

	BIRMINGHAM								
298		EDINBURGH							
164	454		EXETER						
102	224	258		LIVERPOOL					
89	219	246	35		MANCHESTER				
205	495	44	298	286		PLYMOUTH			
76	235	257	79	39	297		SHEFFIELD		
129	193	300	102	71	340	57		YORK	
120	411	200	215	202	241	168	211		LONDON

How far is Edinburgh from Sheffield?

- A 76 miles
- B 235 miles
- C 297 miles
- D 454 miles

16. On average, a car travels 20 miles on one litre of fuel. The fuel tank holds 40 litres.

On average, how far will the car travel on a quarter of a tank of fuel?

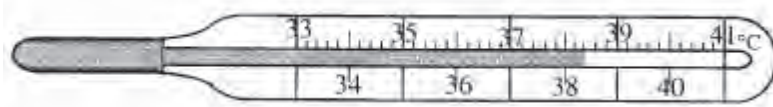
- A 10 miles
- B 200 miles
- C 400 miles
- D 800 miles

17. The jackpot in a lottery is £300 205.

How many pounds is this, in words?

- A Three hundred and twenty five
- B Thirty thousand twenty hundred and five
- C Three hundred thousand two hundred and five
- D Three million two hundred and five

18. A nurse takes a patient's temperature.



What temperature does the thermometer show?

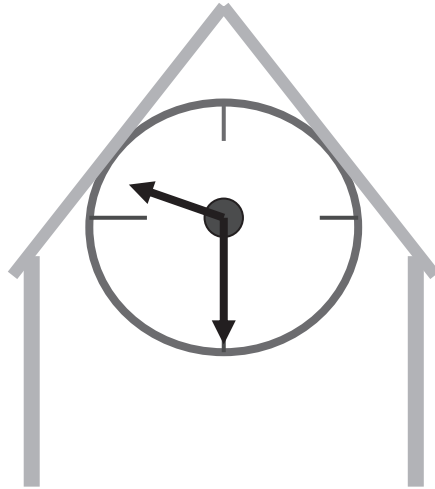
- A 37.7°C
- B 38.2°C
- C 38.4°C
- D 38.5°C

19. An athlete takes 13.86 seconds to run 100 metres. He takes only 12.97 seconds in his next race.

How much has his time improved by?

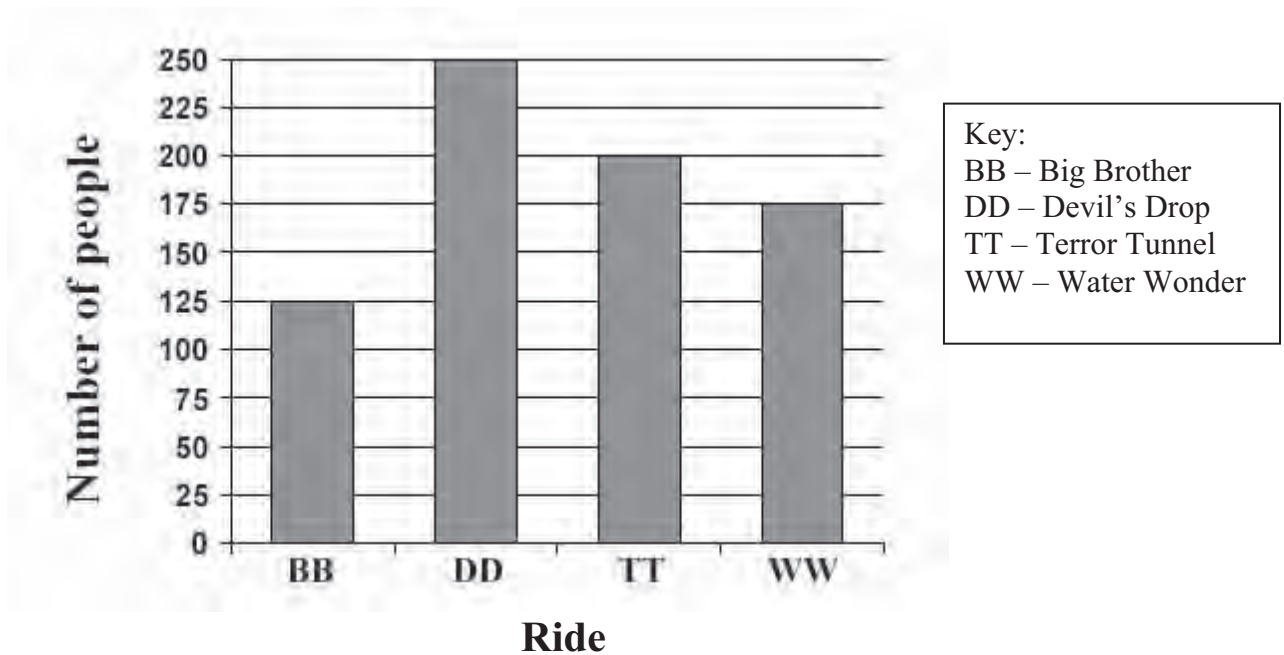
- A 0.89 seconds
- B 0.99 seconds
- C 1.09 seconds
- D 1.11 seconds

20. How would the "pm" time on this clock be shown on a 24-hour clock?



- A 0647
- B 0930
- C 2030
- D 2130

21. A theme park has four rides, **Big Brother (BB)**, **Devil's Drop (DD)**, **Terror Tunnel (TT)** and **Water Wonder (WW)**. This chart shows the number of people who went on each ride on a Thursday.



What is missing from the chart?

- A Labels to show what the bars mean
- B A label for the vertical axis
- C A scale for the number of people
- D A title

22. At a theme park, a total of 750 people went on four of the rides. The most popular ride was the Devil's Drop, with 250 people.

What fraction of the people went on this ride?

- A  $\frac{1}{6}$
- B  $\frac{1}{4}$
- C  $\frac{1}{3}$
- D  $\frac{2}{5}$

23. At a theme park on Thursday, 750 rides were taken. On Friday the total was 20% more than Thursday's total.

How many rides were taken on Friday?

- A 150
- B 770
- C 900
- D 950

24. A man makes a blind for a window. The blind must cover the window from the pole to the bottom of the sill.

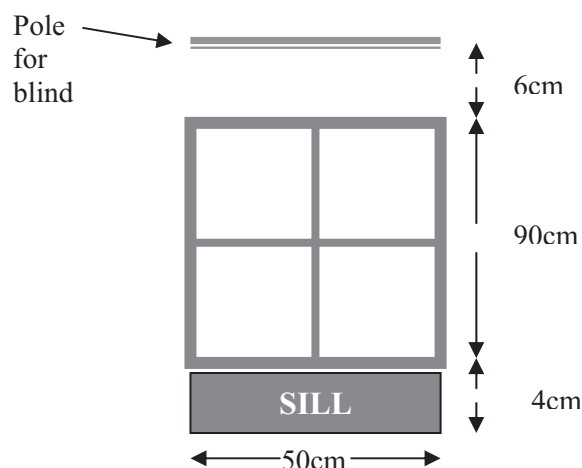
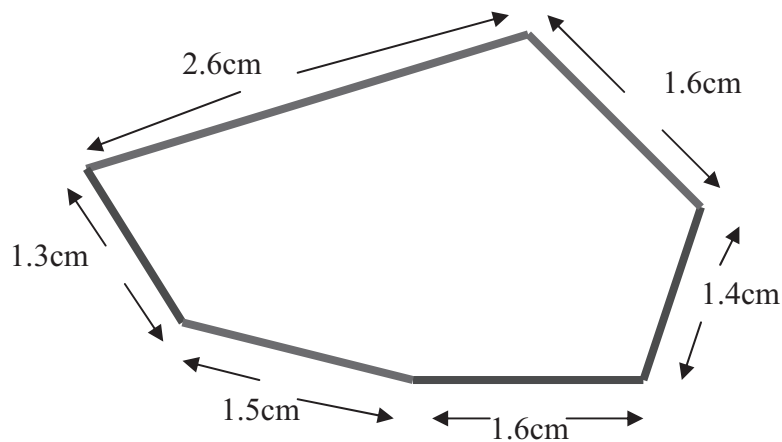


Diagram not to scale

What is the area of the blind?

- A  $0.5\text{cm}^2$
- B  $50\text{cm}^2$
- C  $500\text{cm}^2$
- D  $5\,000\text{cm}^2$

25. How long would a fence need to be in order to enclose this plot of land?



SCALE 1cm : 5m

- A 50 metres
- B 60 metres
- C 80 metres
- D 100 metres

26. The recipe below makes 12 muffins.

**300g flour**  
**90g sugar**  
**2 eggs**  
**1 level teaspoon baking powder**  
**250ml milk**  
**4 tablespoons sunflower oil**

How much sugar is needed to make 60 muffins?

- A 450g
- B 500g
- C 540g
- D 600g

27. 50ml of concentrate is needed to make a glass of orange squash.

How many glasses of squash can be made from a 2 litre bottle of concentrate?

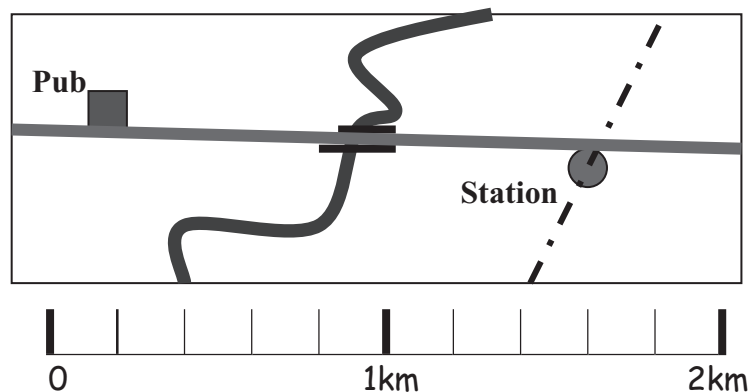
- A 25
- B 40
- C 50
- D 100

28. A swimmer goes swimming 3 times a week. It costs her 75p every time she goes.

How much does she spend in 8 weeks?

- A £2.25
- B £4.50
- C £9.00
- D £18.00

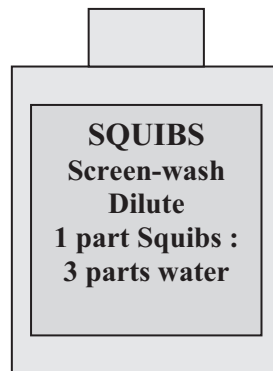
29. Look at the map and scale.



What is the approximate distance between the pub and the station?

- A about 1.2km
- B about 1.3km
- C about 1.4km
- D about 1.5km

30. A car's screen-washer tank holds 4 litres of liquid. The tank is half full.



How much screen-wash does the driver need to mix with water to fill the tank up?

- A 0.25 litres
- B 0.5 litres
- C 1.0 litres
- D 1.5 litres

31. A runner is training for the London Marathon. She measures how far she runs every day for a week. The results are in this table.

	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Distance (km)	16	20	14	20	17	23	9

What is the average (mean) distance per day that she runs?

- A 16km
- B 17km
- C 18km
- D 20km

32. A runner is training for the London Marathon and runs the following distances each day:

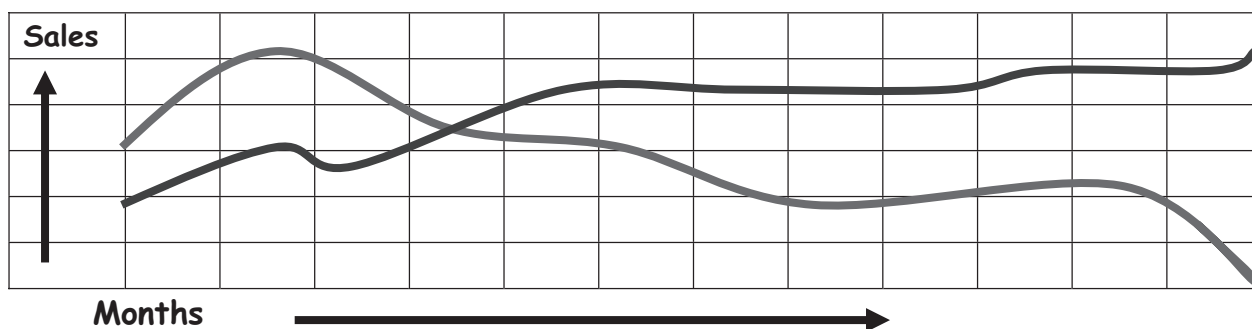
	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Distance (km)	16	20	14	20	17	23	9

A marathon is approximately 42km long.

On how many days did she run at least  $\frac{1}{3}$  of this distance?

- A 3 days
- B 4 days
- C 5 days
- D 6 days

33. Which description best fits this graph?



Key \_\_\_\_\_ = sales      \_\_\_\_\_ = costs

- A Sales start by falling, then increase, as costs rise
- B Costs fall constantly over the months as sales rise rapidly
- C Sales rise and then fall steadily as costs climb steadily
- D Costs show a steady rise, while sales fall, then rise

34. The diagram shows a garden patio space.



A gardener buys square paving slabs. Each slab is 50cm by 50cm.

How many slabs does he need to pave the patio space?

- A 18
- B 20
- C 40
- D 80

35. A gardener opens her garden to raise money for charity. She takes £324 but decides to give  $\frac{3}{4}$  of the money to a local hospice.

Which calculation tells her how much to give to the hospice?

- A  $£324 \div 3 \div 4$
- B  $£324 \div 4 \times 3$
- C  $£324 \div 3 \times 4$
- D  $£324 \times 3 \times 4$

36. A van driver travels 284 miles in a day in four stages. His on-board computer records his petrol consumption for each stage as follows:

Stage	Fuel consumed
1	9 litres
2	7 litres
3	11 litres
4	8 litres

The driver wants to work out the average (mean) fuel consumption per stage. He needs to add the number of litres consumed in each stage together and:

- A divide by 4
- B multiply by 4
- C divide by 284
- D subtract from 284

37. A designer buys 6.9 metres of material. The material costs £5.98 per metre.

Which of these is closest to the exact cost of the material?

- A a little less than £30
- B a little more than £30
- C a little less than £42
- D a little more than £42

38. In 2002 a supermarket chain made £50 million in profit. In 2003 the supermarket chain only made £30 million in profit.

What percentage of the 2002 profit is this?

- A 20%
- B 30%
- C 50%
- D 60%

39. As a result of the fall in profits 600 workers lose their jobs. Of these 80% are women.

How many women lose their jobs?

- A 80
- B 120
- C 480
- D 520

40. A hotel has 200 bedrooms. On average, each bedroom needs 10 clean towels per week.

Which calculation will give the approximate number of towels needed for the hotel in a month?

- A  $200 \div 10 \times 4$
- B  $200 \times 10 \div 4$
- C  $200 \times 10 \times 4$
- D  $200 + 10 \times 4$

**End of test**