

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

**Practice Test Paper I**

**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 table shows the daily temperatures at noon for one week in May.

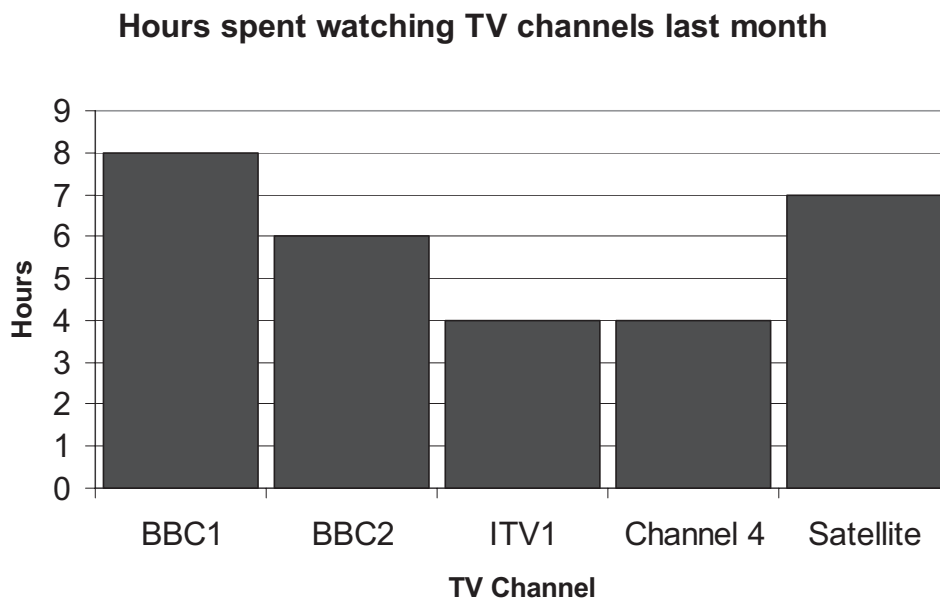
Temperatures at noon each day	
Day	Temperature in °C
Monday	14
Tuesday	17
Wednesday	18
Thursday	16
Friday	14
Saturday	14
Sunday	12

What is the average (mean) daily temperature at noon for the week?

- A 12°C
- B 14°C
- C 15°C
- D 18°C

2. The tally table and bar chart show how many hours a family spent watching different television channels in one month.

Hours spent watching TV channels last month	
TV Channel	Hours
BBC1	
BBC2	
ITV1	
Channel 4	
Satellite	



The tally table is correct. Which bar is the **wrong** height?

- A BBC1
  - B BBC2
  - C ITV1
  - D Satellite
3. A television programme starts at 2050 and finishes at 2205.

How long is the programme?

- A 1 hour 15 minutes
- B 1 hour 45 minutes
- C 1 hour 55 minutes
- D 2 hours 15 minutes

4. A television channel charges £622.79 per second to advertise during a break in one of its programmes.

What is this amount rounded to the nearest pound?

- A £620
- B £622
- C £623
- D £630

5. A television magazine sells 1060 200 copies one week.

What is this figure in words?

- A one million six thousand and twenty
- B one million sixty thousand and two hundred
- C one million six hundred and two thousand
- D one million six thousand two hundred

6. A travel agent advertises return prices for hovercraft crossings from Dover to Calais.

Date	Hovercraft Prices		
	1 March – 21 March 29 Sept – 3 Oct	22 March – 12 July 21 August – 28 Sept	13 July – 20 August
<b>Car + people (up to 5 people)</b>	99	159	189
<b>Adult on foot</b>	27	27	27
<b>Child on foot</b>	14	14	14

What is the cost for a car with three people travelling on 23<sup>rd</sup> August?

- A £81
- B £159
- C £189
- D £240

7. The three friends want to be at Dover at 2pm.  
Their journey will take 4 hours 45 minutes.

What time should they leave home?

- A 9:15am
- B 9:55am
- C 10:15am
- D 10:45am

8. A map has a scale of 2 centimetres to 1 kilometre.  
One day the friends want to walk about 12 kilometres.

How far is 12 kilometres on the map?

- A 6cm
- B 12cm
- C 14cm
- D 24cm

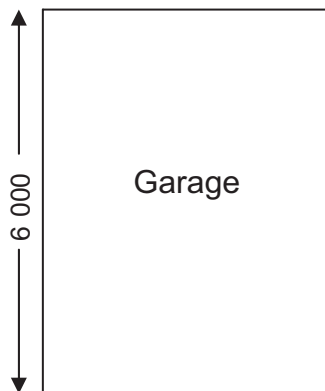
9. The table shows the distances the friends walk on their holiday.

DAY	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Distance (km)	11	12	9	13	3	4	4

What is the average (mean) distance they walked per day?

- A 7km
- B 8km
- C 9km
- D 13km

10. This plan shows a garage drawn to scale. The measurement on the plan shows the length of the actual garage, but the units are missing.



The length of the garage is

- A 6 000m
  - B 6 000m<sup>2</sup>
  - C 6 000mm
  - D 6 000mm<sup>2</sup>
11. A conservatory measures 4.2 metres by 7.8 metres.

Which of these is the closest estimate of its floor area?

- A 28m<sup>2</sup>
- B 32m<sup>2</sup>
- C 35m<sup>2</sup>
- D 40m<sup>2</sup>

12. A supermarket's takings for the day come to £19 674.40

How much is this, rounded to the nearest thousand pounds?

- A £19 000
- B £19 500
- C £19 700
- D £20 000

13. The supermarket advertises in a local newspaper. They pay £200 for a black and white advert.

A colour advert costs 40% more.

How much extra is it for a colour advert?

- A £8
- B £20
- C £40
- D £80

14. A recipe needs 160 grams of flour, 40 grams of butter and 40 grams of other ingredients. What fraction of the weight of all the ingredients is flour?

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

15. Two friends buy tickets for a concert. The tickets cost £26 each.  
A return coach ticket costs £17.

What is the total cost for the two friends?

- A £43
- B £60
- C £69
- D £86

16. Two friends go to a concert.  
They leave Newark at 4:35pm  
They arrive at the concert at 7:20pm.

How long does the journey take?

- A 2 hours 15 minutes
- B 2 hours 45 minutes
- C 3 hours 15 minutes
- D 3 hours 45 minutes

17. There are 3 000 people at a concert.  
70% of these bought their tickets in advance.

How many people at the concert bought tickets in advance?

- A 300
- B 700
- C 2 100
- D 2 700

18. The table shows the distance between different towns.

London		Distances in miles							
118	Birmingham								
150	102	Cardiff							
81	185	228	Dover						
412	290	373	496	Edinburgh					
191	110	208	257	193	Leeds				
198	90	165	270	214	73	Liverpool			
201	86	173	285	222	41	34	Manchester		
288	207	301	360	112	94	155	141	Newcastle	
194	129	231	264	186	25	97	66	82	York

What is the distance from Edinburgh to Liverpool?

- A 214 miles
- B 222 miles
- C 270 miles
- D 285 miles

19. A map has a scale of 1cm to 5km.

The distance from Liverpool to Ecclestone is 3.5cm on the map.

The actual distance is

- A 3.5km
- B 7km
- C 8.5km
- D 17.5km

20. A motorist's petrol tank holds 40 litres.  
He buys 25 litres of petrol.

What fraction of the tank is this?

- A  $\frac{1}{25}$
- B  $\frac{4}{25}$
- C  $\frac{5}{8}$
- D  $\frac{3}{4}$

21. Petrol costs 80 pence per litre.

What is the cost of 25 litres?

- A £16.05
- B £16.40
- C £20.00
- D £25.80

22. At a garage, a motorist buys a sandwich for £2.79, a drink for £1.05 and some mints for 95p.

How much change does he get from a £10 note?

- A £4.79
- B £5.21
- C £5.79
- D £6.21

23. The table shows how a baby's temperature rises and falls over a six-hour period.

Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Hour 6
37°	38°	40°	39°	38°	38°

What was the range in temperature recorded?

- A 3°C
- B 4°C
- C 5°C
- D 6°C

24. In a community survey, 66% of householders say they want a children's playground.

How many households want a children's playground?

- A about a third
- B about half
- C about two thirds
- D about three-quarters

25. The normal price of a carpet is £200.

<p style="text-align: center;"><b>SALE</b> Carpets 20% off today</p>
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What is the price of the carpet in the sale?

- A £20
- B £140
- C £160
- D £180

26. A bus ride to the city centre costs 90p.  
The bus picks up 49 passengers.

How much money does the driver collect?

- A under £40
- B £40 - £45
- C £46 - £50
- D over £50

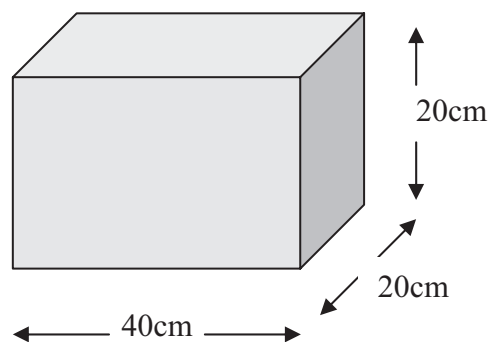
27. A DIY book says to make cement for a wall, mix cement and sand using a 1:5 ratio.

A man uses 3 buckets of cement.

How many buckets of sand does he need?

- A 5
- B 10
- C 15
- D 20

28. The diagram shows a cold water tank in a roof.



What is the volume of the tank?

- A  $80\text{cm}^3$
- B  $1200\text{cm}^3$
- C  $8000\text{cm}^3$
- D  $16000\text{cm}^3$

29. What is the total order, including postage and packing for the following goods?

A customer orders the following items.

NAILCO LTD - ORDER FORM				
Item code	Description of goods	Price	Quantity	Total cost
F678g	Box 600mm nails	£2.98	1	£2.98
F3798f	Box 400mm screws	£2.26	2	£4.52
D879	Drill bit (wood)	£6.50	1	£6.50
			Postage and packing	£0.50
			<b>TOTAL</b>	<b>£</b>

What is the total cost of the order, including postage and packing?

- A £12.50
- B £13.50
- C £14.50
- D £19.02

30. An exchange rate list shows 71.3674 euros to the pound.

What is 71.3674 euros rounded to the nearest euro?

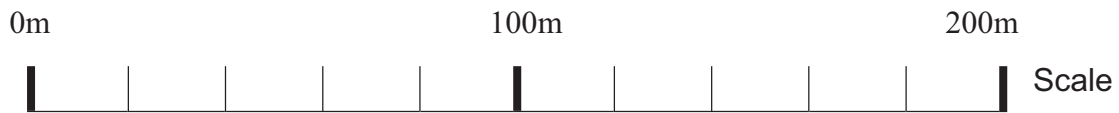
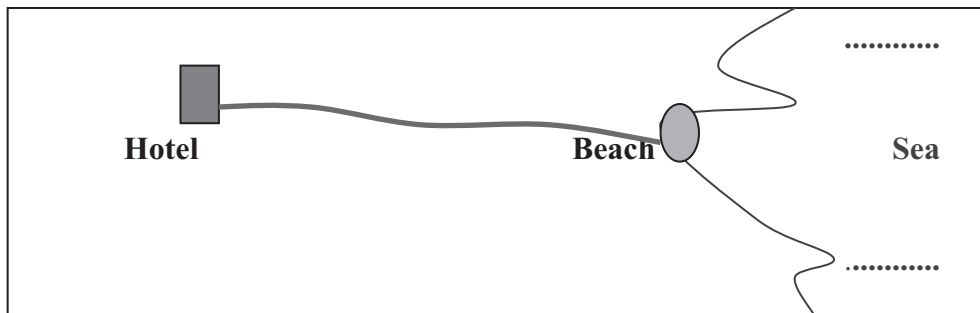
- A 71 euros
- B 71.3 euros
- C 71.4 euros
- D 72 euros

31. What is the approximate reading on this airport baggage weighing scale?



- A 33kg
- B 34kg
- C 35kg
- D 36kg

32. This sketch map shows the position of a hotel  and the beach .

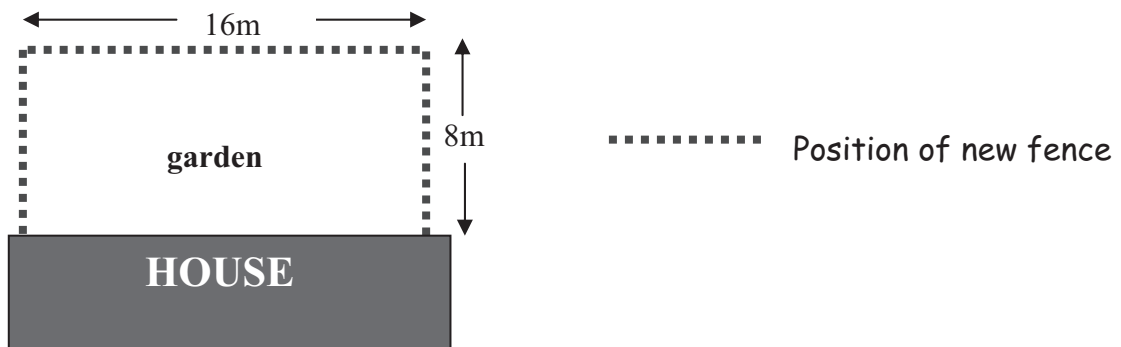


What is the distance between the hotel and the beach?

- A about 80m
- B about 100m
- C about 120m
- D about 150m

33. If a fence panel is 2m wide, how many panels are needed to fence this garden, viewed from above?

The diagram shows the position for a new fence.







Fence panels are 2 metres wide.

How many of these fence panels are needed to make the fence?

- A 12
- B 16
- C 24
- D 128

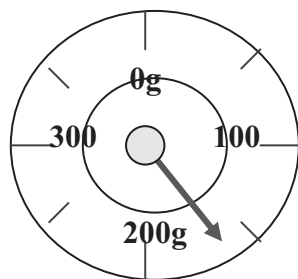
34. A family of two adults and one child want to rent a holiday cottage for one week in July.  
They do not want to pay more than £200.

Which cottage should they choose?

1. Sea View	2 Beach Cove House
	
£79 per person per week, children £41 per week	£82 per person per week, children half price
3. Cliff Villa	4. Cosie Cott
	
Only £76 per person per week. No children, sorry	£199.50 per week (up to four people) April - May. £252 per week June - September

- A Sea View
- B Beach Cove House
- C Cliff Villa
- D Cosie Cott

35. What is the reading on this scale?



- A about 140g
- B about 150g
- C about 160g
- D about 230g

36. A man loses half a kilogram on a diet.

Half a kilogram is the same as

- A 5g
- B 50g
- C 500g
- D 5000g

37. A carpenter calculates that he needs three more pieces of wood to finish a floor.

He writes this in his notebook:

<p style="text-align: center;"><b>Wood for flooring</b></p> <p style="text-align: center;">1 x 0.63m 1 x 1.02m 1 x 1.90m</p>
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What length of wood does he need altogether?

- A 2.55m
- B 3.55m
- C 3.73m
- D 3.75m

38. A couple measure the width of their living room windows for curtain rods. They record these measurements.

<i>Window widths</i>
<i>Front window – 122cm</i>
<i>Back window – 106cm</i>
<i>Side window – 52cm</i>

What is the total length of curtain rod they need?

- A 0.28m
  - B 2.8m
  - C 28m
  - D 280m
39. A label on KILLWEED's weed-killer bottle gives the following instructions.

<b>INSTRUCTIONS FOR USE</b>
Dilute 1 part KILLWEED to 4 parts water

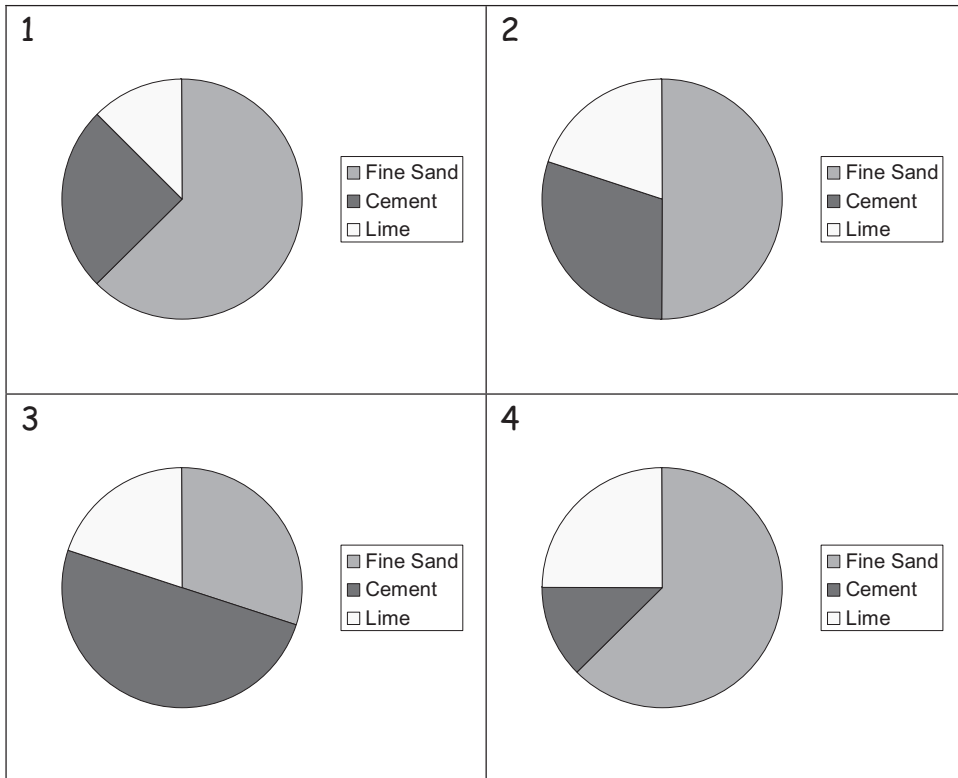
The gardener has 0.25 litres of KILLWEED.

How much water should he add to all the KILLWEED?

- A 0.25 litre
- B 1.0 litre
- C 1.25 litres
- D 2.5 litres

40. Which pie chart matches the instructions below?

MORTAR MIX	
Amount	Material
5 parts	Fine sand
2 parts	Cement
1 part	Lime



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

**End of test**