Level 2 Essential Application of Number Skills
Sample confirmatory test 1

Maximum duration: 45 minutes

Important note
This is a sample confirmatory test, developed jointly by the four Essential Skills Wales awarding bodies (Agored Cymru, City & Guilds, Pearson and WJEC).

This sample test provides an indication of the likely format and structure of the live confirmatory tests that will become available from **February 2016**.

A separate document, containing the answer keys (correct answers) and specification references is also available.

This confirmatory test consists of <u>20</u> multiple choice questions.

Questions 1 to 6 are about mobile phones.

1 The table shows mobile phone options.

Phone	Screen size (inches)	Memory (Gb)	Processor speed (GHz)	Memory card slot?	Weight (g)
C6	5.4	3	1.5	✓	153
E9	5.5	2	1.6	✓	147
F1	5.2	2	1.6	✗	160
M42	4.7	2	1.4	✓	136
P5	5.1	3	1.8	✓	175
X87	5.0	4	1.5	✗	152

The customer's old phone has:
- a 5.0 inch screen
- 2Gb memory
- a weight of 158 grams.

Their new phone must have a **larger** screen, **more** memory and a **lower** weight.

Which phone should they choose? (1)

A	C6	
B	E9	
C	P5	
D	X87	

2 The table shows the cost of 24 month phone contracts.

24 month phone contracts		
Contract	Handset (£)	Monthly payment (£)
Gold	0	30
Silver	200	15

To compare the contracts, work out the total cost of the handset and the 24 monthly payments.

What is the difference between the total cost of the Gold Contract and the total cost of the Silver Contract? (1)

A	£160	
B	£164	
C	£180	
D	£184	

3 The table shows the amount of mobile data used over six months by one customer.

Month	Jan	Feb	Mar	Apr	May	Jun
Data (Mb)	640	870	640	960	760	390

With their old phone the customer used an average of 420 Mb of mobile data over six months.

How much more data did they use on average with their new phone? (1)

A	150 Mb	
B	220 Mb	
C	280 Mb	
D	290 Mb	

4 The customer says that the amount of mobile data used does not vary much.

Month	Jan	Feb	Mar	Apr	May	Jun
Data (Mb)	640	870	640	960	760	390

What is the range of the amounts of mobile data used over six months? (1)

A	250 Mb	
B	570 Mb	
C	640 Mb	
D	960 Mb	

5 This information is from the customer's mobile phone statement for last month.

Type of call	Number of calls	Total length of calls (minutes)
Calls to your favourite number	24	106
Other UK calls	36	224
Premium line calls	0	0
International calls	0	0
Your contract includes, per month: 250 minutes:............................. free calls Any calls over 250 minutes:....... 25p per minute		

What fraction of the total number of calls are to their favourite number? (1)

A	$\frac{2}{5}$	
B	$\frac{2}{3}$	
C	$\frac{3}{5}$	
D	$\frac{1}{60}$	

6 How much should they pay for the calls made last month? (1)

Type of call	Number of calls	Total length of calls (minutes)
Calls to your favourite number	24	106
Other UK calls	36	224
Premium line calls	0	0
International calls	0	0
Your contract includes, per month: 250 minutes:............................ free calls Any calls over 250 minutes:....... 25p per minute		

A	£2.00	
B	£5.60	
C	£17.50	
D	£20.00	

Questions 7 to 11 are about van hire.

7 The cost of hiring a van is £60 per day plus 20% VAT.

What is the total cost of hiring the van for a day including VAT? (1)

A	£63	
B	£65	
C	£72	
D	£80	

8 A customer wants to hire a van with driver to make a delivery.

This is the formula to work out the cost.

C = 0.5m + 20h

where   C is the total cost in pounds
        m is the distance of the journey in miles
        h is the time to load and unload the van in hours

The customer gives this information:
- distance, 60 miles
- loading and unloading time, $2\frac{1}{2}$ hours

What is the total cost of the hire of the van with driver? (1)

A	£55	
B	£80	
C	£83	
D	£100	

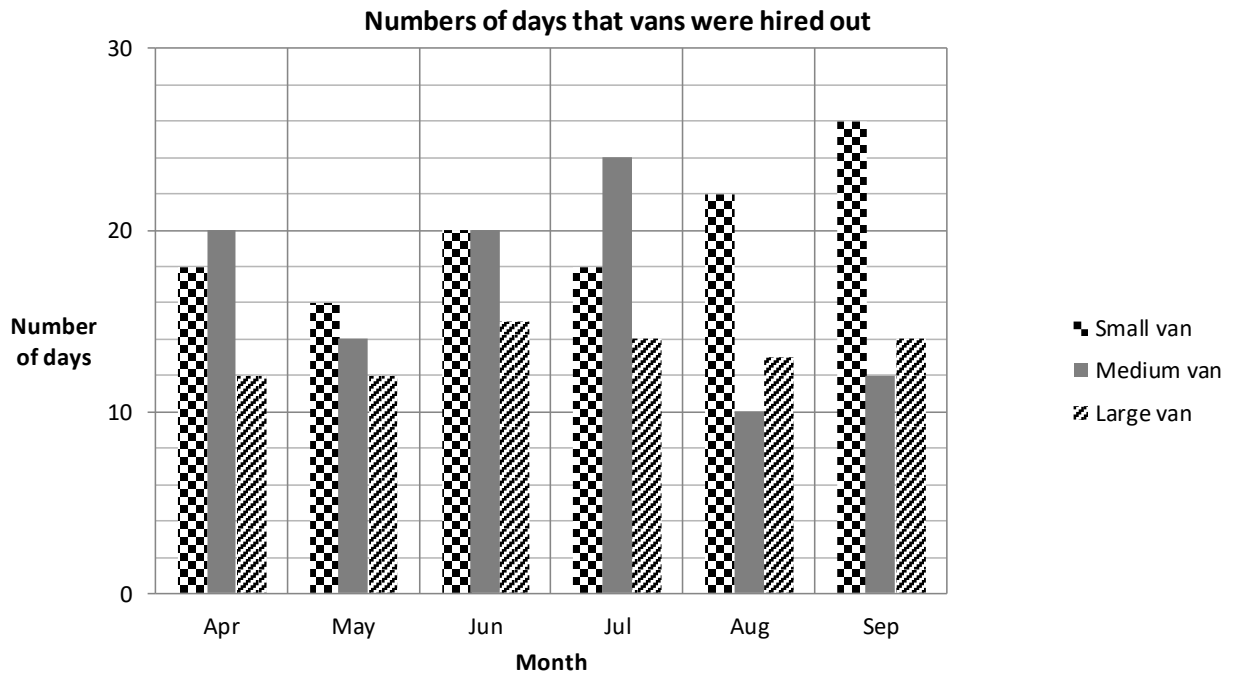9 To make the delivery, the driver allows:
- 1 hour 20 minutes total driving time
- $2\frac{1}{2}$ hours to load and unload the van
- 30 minutes for a break.

The driver must be back to the company offices by 6:00 pm.

What is the latest time the driver should start?

A	1:40 pm	
B	2:00 pm	
C	2:20 pm	
D	2:40 pm	

10 The bar chart shows how many days per month each van was hired out.

Numbers of days that vans were hired out

In July, for how many more days was the medium van hired out than the small van?
(1)

A	3 days	
B	6 days	
C	10 days	
D	5 days	

11 Between April and September
- the small van was hired for 120 days
- the large van was hired for 80 days.

What is the ratio of the number of days the small van was hired to the number of days the large van was hired? (1)

A	5 : 2	
B	3 : 2	
C	2 : 3	
D	2 : 5	

Questions 12 to 15 are about a cookery competition.

12 The cookery competition rules state:

'Your meal must use one ingredient from list A, one from list B and one from list C.'

List A	List B	List C
Chicken	Spinach	Pasta
Lamb	Celery	Rice
	Aubergine	Noodles
		Couscous

How many different combinations of these ingredients are there? (1)

A	9	
B	10	
C	14	
D	24	

13 The recipe uses 300 grams of rice to make 4 servings.

How much rice should be used to make 6 servings? (1)

A	150 g	
B	375 g	
C	450 g	
D	500 g	

14 This is the formula to work out how long to cook meat.

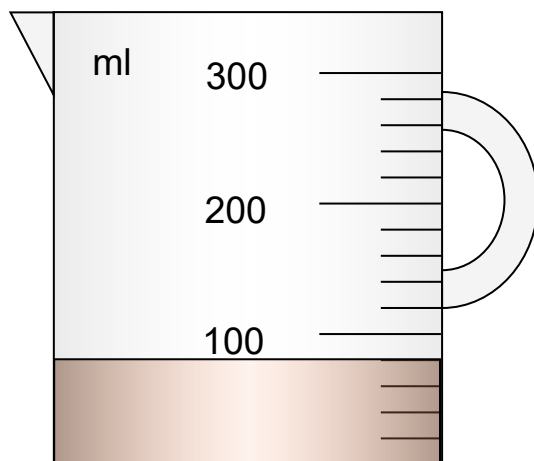'The cooking time is 25 minutes for every 500 grams plus 25 minutes.'

The meat weighs 2.0 kg.

What is the cooking time for the meat? (1)

A	54 minutes	
B	1 hour 15 minutes	
C	2 hours 5 minutes	
D	3 hours 20 minutes	

15 There is some stock in a measuring jug.

150 ml of stock is needed to make a sauce.

How much more stock should be added? (1)

A	90 ml	
B	70 ml	
C	60 ml	
D	35 ml	

Questions 16 to 20 are about a hair and nail salon.

16 This is the latest statement of the costs and income for the salon.

	Apr	May	Jun	Jul	Aug	Sep
Staff costs (wages, pensions)	£9 200	£9 200	£10 000	£9 000	£9 000	£10 000
Salon costs (Rent, rates, energy)	£7 000	£7 000	£7 500	£8 000	£7 100	£7 500
Cost of products	£2 000	£2 000	£1 000	£2 300	£1 000	£2 000
Income	£20 300	£15 000	£16 000	£20 000	£15 000	£16 300
Profit or loss(−)	£2 100	−£3 200	−£2 500	£700	−£2 100	

What is the profit or loss for September? (1)

A	£1k profit	
B	£1k loss	
C	£3.2k profit	
D	£3.2k loss	

17 The manager changes the salon opening times to attract more customers.

Old opening times
Monday ....closed
Tuesday to Friday .....9:00 am to 5:00 pm
Saturday...................9:00 am to 12:30 pm
Sunday ....closed

New opening times
Monday ....closed
Tuesday to Friday ...10:00 am to 7:00 pm
Saturday..................9:00 am to 4:00 pm
Sunday ....closed

How many more hours a week is the salon open with the new opening times? (1)

A	$4\frac{1}{2}$ hours	
B	$6\frac{1}{2}$ hours	
C	$7\frac{1}{2}$ hours	
D	$8\frac{1}{2}$ hours	

18 The salon introduces a loyalty scheme.

Regular customers will receive a 5% discount.

Which fraction is the same as 5%? (1)

A	$\dfrac{1}{20}$	
B	$\dfrac{1}{50}$	
C	$\dfrac{1}{5}$	
D	$\dfrac{5}{10}$	

19 The salon advertises for a new stylist.

The pay is £7.50 per hour for 35 hours a week.

How much is the stylist paid each week? (1)

A	£232.50	
B	£245.50	
C	£252.50	
D	£262.50	

20 The salon has a special offer.

Hair Factory

Prices

Hair wash and blow dry...... £19.20
Haircut and blow dry £39.20
Hair restyle........................ £43.20

Nail file and polish.............. £15.00
Manicure £21.00

Special Offer

Have a full price hair restyle and get
$\frac{1}{3}$ off a manicure
This month only

A customer has a hair restyle and a manicure, with the special offer.

How much should the customer pay in total? (1)

A	£42.80	
B	£50.20	
C	£57.20	
D	£61.20	