Level 2 Essential Application of Number Skills
Sample confirmatory test 3

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.

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 5 are about a family holiday.

1   A family is going on holiday to Spain.

     Their hotel room costs 900 euros.

     They use this information.

£10 = 12 euros

     What is the cost of the hotel room in pounds (£)?

a   £706
b   £750
c   £918
d   £1080

2   The family wants to buy travel insurance.
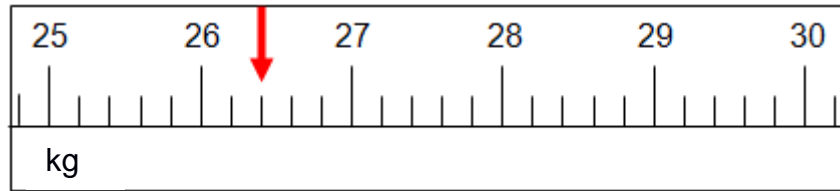   They find this offer.

     Travel insurance for the whole family

     Normal price £49.89
     Now $\frac{1}{3}$ off

     How much is the travel insurance with this offer?

a   £14.67
b   £16.63
c   £33.26
d   £46.89

3   The family weighs one suitcase.
       This is the weight shown on the scales.

25	26	27	28	29	30

       kg

       The maximum allowed weight of a suitcase is 32 kg.

       How many kilograms lighter is this suitcase?

a   5.3 kg
b   5.6 kg
c   5.8 kg
d   6.2 kg

4   The family must arrive at the airport 90 minutes before the time of the flight.
       The flight is at 12:30 pm.

       The family takes a train to the airport.
       The train takes 20 minutes to get to the airport.

       The family allows a quarter of an hour to get from home to the train station.

       What is the latest time the family must leave home?

a   10:25 am
b   10:35 am
c   10:40 am
d   10:50 am

5   The family checks in baggage that weighs 14.7 kg over their allowance.

       The airline rounds this to the nearest whole kilogram.
       They charge £3.50 per kilogram over the allowance.

       How much must the family pay for going over their baggage allowance?

a   £42.70
b   £45.50
c   £49.00
d   £52.50

Questions 6 to 10 are about buying new kitchen goods.

6   James wants to buy a new microwave oven.
     He finds this information.

| Model	Power (W)	Capacity (litres)	Grill option	Number of programs	Price (£)
C467	900	30	Yes	12	94.99
F233	1000	27	Yes	14	99.99
H843	800	21	No	10	59.99
K115	700	17	No	6	39.99
M139	900	25	Yes	12	79.99
R272	800	20	Yes	8	49.99
T459	800	23	No	10	89.99

James wants a microwave oven that has:
- at least 800 W power
- a capacity of more than 20 litres
- a grill option.

Which is the cheapest microwave that meets all his requirements?

a   R272
b   C467
c   H843
d   M139

7   James wants to buy three sets of 6 plates.
     He finds this offer.

Special offer

Set of 6 plates

Usual price £24

15% off, today only
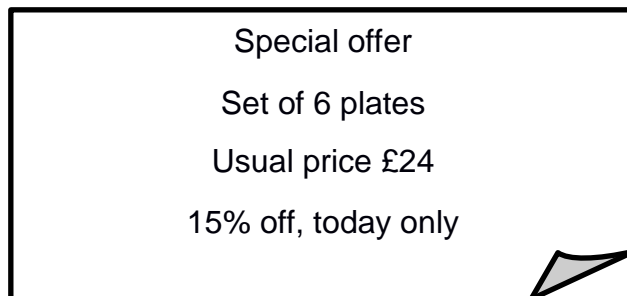
How much do the **three** sets of 6 plates cost with this offer?

a   £61.20
b   £67.20
c   £68.40
d   £71.85

8   James wants to change his waste bin.

He uses this formula to find the volume of his bin.

$$V = \frac{hw\,(t+b)}{2}$$

where V is the volume in cm³
           h is the height of the bin in cm
           w is the width of the bin in cm
           t is the length of the top of the bin in cm
           b is the length of the bottom of the bin in cm

The bin has:
- height of 80 cm
- width of 30 cm
- length at the top of 30 cm
- length at the bottom of 20 cm.

What is the volume of the bin?

a   1 250 cm3
b   1 540 cm3
c   48 000 cm3
d   60 000 cm3

9   The shop offers James an 18% discount.

Which of the following is closest to 18% as a fraction?

a $\dfrac{1}{5}$

b $\dfrac{1}{6}$

c $\dfrac{3}{16}$

d $\dfrac{3}{20}$

Questions 10 to 16 are about a furniture company.

10   These are the numbers of tables the company made in the first 6 months of 2015.

	Jan	Feb	Mar	Apr	May	Jun
Number of tables	458	438	434	434	438	438

In 2014 the mean number of tables made per month was 385

What is the difference between this and the mean number of tables made per month in the first 6 months of 2015?

a   49
b   53
c   55
d   61

11   These are the numbers of tables the company made in the first 6 months of 2015.

	Jan	Feb	Mar	Apr	May	Jun
Number of tables	458	438	434	434	438	438

What is the range of the numbers of tables made in the first 6 months of 2015?

a   20
b   24
c   434
d   438

12   The company cuts table tops from a wooden board.

The diagram shows a wooden board and a table top.

Diagrams **NOT** accurately drawn

2000 mm

450 mm

600 mm

wooden board

table top

240 mm
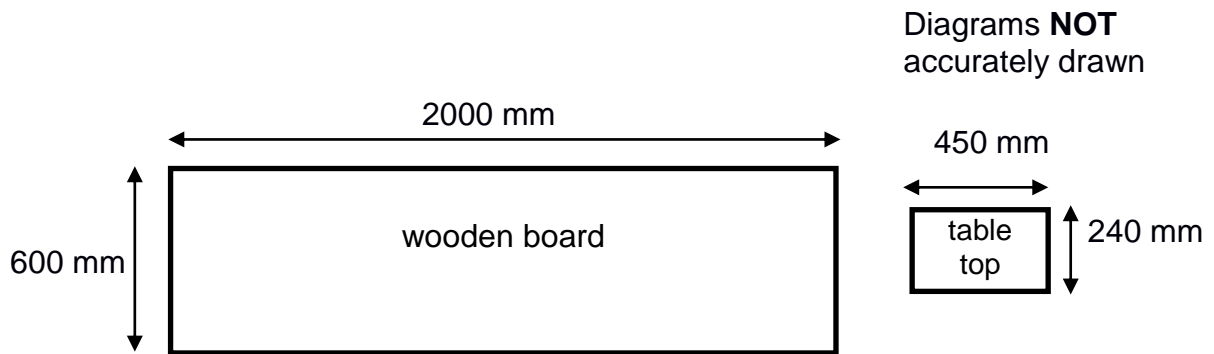
How many table tops can be cut from one wooden board?

a   11
b   10
c   8
d   6

13   The table shows the total number of different size wardrobes sold last month.

	Small	Medium	Large
Number sold	60	15	45

What percentage of the total number sold is the medium wardrobe?

a   8%
b   12.5%
c   25%
d   33.3%

14   The chart shows the income the company made in the last 3 months of 2015.
      The company sells furniture online, in its shops and to businesses.

Income made in last 3 months of 2015
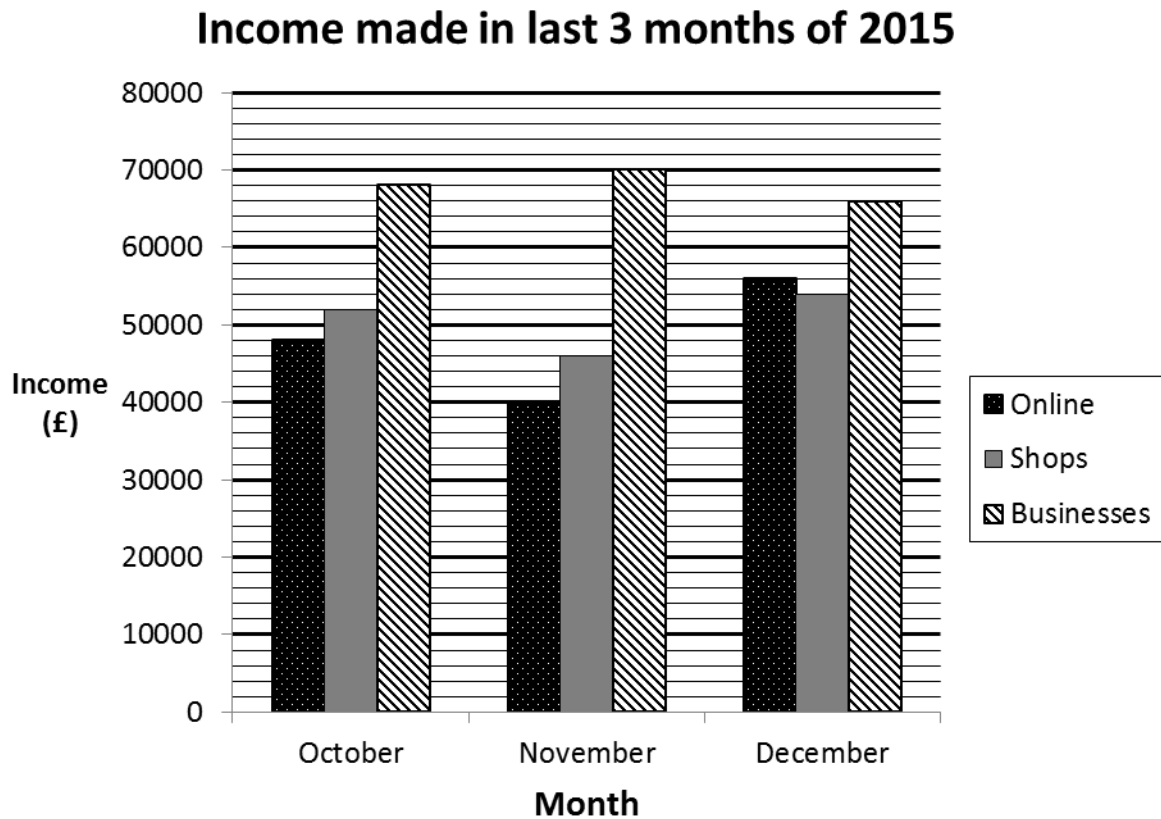
What is the difference between incomes from online sales in October and December?

a   £4 000
b   £5 000
c   £8 000
d   £9 000

15   The company designs a new coffee table.
      The actual table is 900 mm in length.

      The design team makes a drawing of the table to a scale of 1 : 20

      What is the length of the table on the scale drawing?

a   4.5 mm
b   18 mm
c   45 mm
d   180 mm

16   The company made £1 108 000 profit last year.

      The expected profit this year is £0.52 million.

      What is the difference between the expected profit this year and the profit
      made last year?

a   £588 000
b   £1 056 000
c   £1 102 800
d   £4 092 000

Questions 17 to 20 are about a lorry driver.

17   A lorry driver makes deliveries from his base in Newtown.

Once a week, he goes to Swansea, then to Haverfordwest and returns to Newtown.

This table shows distances in miles.

From	To	Distance (miles)
Newtown	Swansea	99
Swansea	Haverfordwest	58
Haverfordwest	Newtown	111

Last month he did the round trip 5 times.

How many miles did he drive on these trips altogether?

a   1290 miles
b   1300 miles
c   1340 miles
d   1352 miles

18   The driver delivers 273 boxes in total.
The ratio of boxes delivered to Swansea to boxes delivered to Haverfordwest is 4:3

How many boxes are delivered to Swansea?

a   39
b   156
c   177
d   266

19   The driver travels a distance of 39 miles in 45 minutes.

What is the average speed in miles per hour?

a   46 mph
b   52 mph
c   54 mph
d   60 mph

20   The driver calculates his weekly pay using this formula.

> $P = 13.5h + 16s$
>
> P = weekly pay in £
> h = number of hours worked Monday-Friday
> s = number of hours worked Saturday-Sunday

The driver works 40 hours Monday-Friday.
He works 8 hours on Sunday.

What is the driver's pay for this week?

a   £542
b   £564
c   £668
d   £748

NOW GO BACK AND CHECK YOUR WORK

- **IMPORTANT**

  Are the details at the top of the answer sheet correct?