Revision Booklet

Functional Skills Entry 2

QUESTIONS TO GO WITH YOUR LESSONS

Name:

Vocational Course:

Contents

Number

1)

Hundreds	Tens	Units

Use this chart above to place these numbers in the correct place.

a) Two hundred (1)
b) One hundred and twenty-eight. (1)
c) Sixty-four. (1)
d) One hundred and nine. (1)

e) Order these numbers from smallest to biggest in the box below.

(1)

2) Write these numbers in words.

a) 11

(1)

b) 176

(1)

c) 145

(1)

d) 92

(1)

f) Order the numbers above from biggest to smallest (1)

3)

a) Circle the number that matches the number in words

One hundred and ninety five is the same as: (1)

95 159 195 59

b) Write down one hundred and four as a number in figures. (1)

c) What is the missing number? (1)

18 28 38 _____

4) Put these decimals in order from smallest to biggest

a) 5.6 4.7 3.8 3.5 2.7 5.5

(1)

b) 33.6 45.8 67.1 32.6 45.7

(1)

c) 5.6 2.8 3.8 3.2 6.5

(1)

5) Circle the odd numbers.

27 34 69 42 63 (1)

6) Circle the even numbers.

39 55 26 92 20 (1)

7) Complete the pattern.

a) 25 35 45 ___ ___ (1)

b) 55 50 45 ___ ___ (1)

c) 24 30 36 ___ ___ (1)

Adding & Subtracting

1) Work out the following

a) 87 + 96 b) 97 + 48 c) 61 + 16 d) 42 + 78

e) 31 – 25 f) 95 - 68 g) 71 -19 h) 71-17

Show your working out in the box below.

2) Rakesh has his car serviced. He also buys a new mirror.

The Service costs £85

Mirror costs £37

How much will he pay altogether? (2)

3) There are 32 people travelling on a bus on holiday

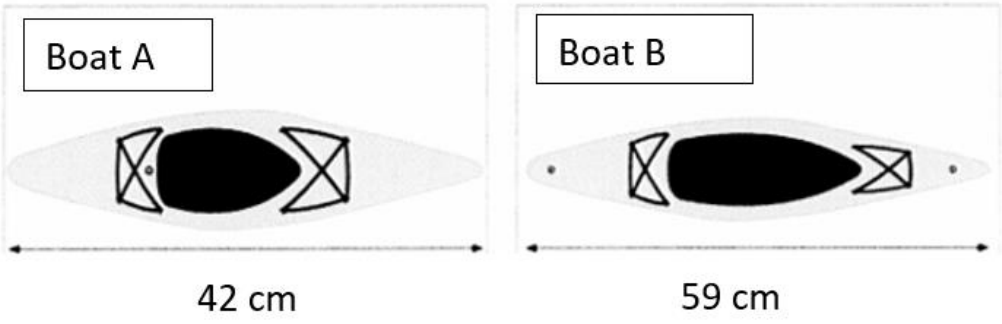
17 people fall sick and get off the bus.

How many people will be left on the bus ? (2)

4) Two different toy boats need to be put inside a box ?

The box is 100 cm long.

Can the two toy boats go in the box ?



5) Ola scored 13 out of 20 in a Quiz.

How many did he get wrong? (2)

6) Josh is 87 cm tall and is 6 years old.

His sister is 92 cm tall and is 8 years old.

How much taller is his sister? (3)

7)A woman gives a box with 20 Paris of jeans to a charity shop.
12 pairs of he jeans are good enough to be sold.
The rest will be recycled.

The manager asks the volunteer to work out how many of the pairs of jeans will be recycled.

Complete the calculation to show the number of pairs of jeans that will be recycled. (1)

Multiplication & Division

1)

a) 11 x 4 b) 10 x 7 c) 12 x 5 d) 12 x 9

e) 62 x 4 f) 37 x 6 g) 78 x 9 h) 25 x 3

2)

a) 6 ÷ 4 b) 30 ÷ 10 c) 11 ÷ 3 d) 38 ÷ 7

e) 65 ÷ 9 f) 76 ÷ 8 g) 17 ÷ 9 h) 38 ÷ 6

3) There are 4 Accounting courses at a college.

Each course has 18 students.

How many students are there in total ? (2)

4) Light bulbs are sold in boxes of three.

A college wants to buy 48 light bulbs.

How many boxes will they need to buy ? (2)

5) Tickets for a concert cost £17.

John wants to buy five tickets for his group.

How much will he have to pay in total ? (3)

6) Zoraide is buying bottles of orange juice for a party.

She needs 58 bottles. The bottles come in packs of 4.

How many packs will she need to buy ?

How many bottles will be left ? (3)

_____Buy

_____Left

7) Lucy works in a furniture shop.

She wants to know how many hours she works each week.

Complete the calculation. (1)

$7 \times 5 =$ ☐

8)

Lucy fits shelves in the shop.

She needs 4 brackets to fit each shelf.

Lucy has 58 brackets.

How many shelves can Lucy fit?

Show how many brackets are left over. (3)

_____Shelves

_____Left over

Hours, Days & Weeks

1) Elliot looks at his watch in the afternoon.

His bus arrives at 15:00.

What time is on his watch ? (1)

Has he missed the bus ? Yes/No (1)

2) Lucy has 5 weeks of holiday in the year.

She works for all the other weeks in the year.

Lucy says she will work for 43 weeks in the year.

Is Lucy correct?

Show why you think this. (3)

3) These are the hours that Ola works in one week.

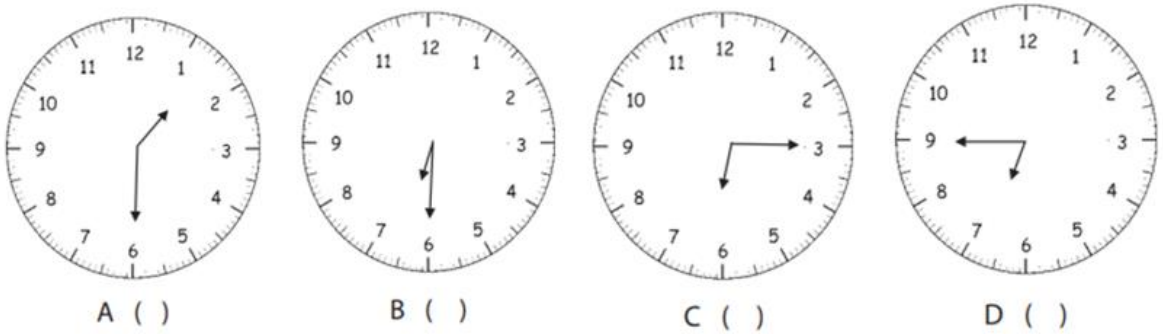
Monday	9 hours
Tuesday	8 hours
Wednesday	5 hours
Thursday	7 hours
Friday	4 hours

Work out the total number of hours he will work in one Fortnight. (3)

4) You are at the airport waiting for a friend to arrive.

The first flight arrives at a quarter past six.

Choose the clock which shows this time ? (1)



5) Eric wants to book an appointment for the Dentist.

He wants to book after the 16th September but before the 7th October.

Circle the date can he select?

18/10/2021	17/08/2021
15/09/2021	19/09/2021
07/10/2021	18/10/2021

(1)

6) A farmer needs to water his plants every Sunday during January.

He will also buy a tractor on the last **Tuesday** of the month.

JANUARY 2021						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

How many Sundays are there in January ? (1)

What date that he will buy his tractor on ? (ddmmyyyy) (1)

Rounding & Approximation

1. Round the following to the nearest ten:

a) 43 (1)

b) 97 (1)

c) 41 (1)

d) 26 (1)

e) 32 (1)

f) 95 (1)

g) 12 (1)

h) 215 (1)

i) 4 (1)

2) Complete the calculation below

a) 43 + 18 = (1)

b) Round 18 to the nearest 10 (1)

c) Use your rounded answer to check your answer to a. (1)

3) Complete the calculation below

a) 12 x 6 (1)

b) Round 12 to the nearest 10 (1)

c) Use your rounded answer to check your answer to a. (1)

4) Complete the calculation below

a) 85 - 34 (1)

b) Round 34 to the nearest 10 (1)

c) Use your rounded answer to check your answer to a. (1)

5) Complete the calculation below

a) 57 + 33 (1)

b) Round 57 to the nearest 10 (1)

c) Use your rounded answer to check your answer to a. (1)

6) Andy drives 76 miles in one week.
What is 76 rounded to the nearest 10?

(1)

7) Some friends go on holiday to an activity centre near the sea.
The holiday costs £ 46 for each person.

How much is £46 to the nearest £10?

(1)

8) The shop takes £36 in the morning.
What is £36 to the nearest £10?

(1)

9) Ava works at a garden centre, her pay is £12 per hour. On Saturday she works for 5 hours.
How much money did she earn on Saturday?

(2)

10) Round £12 to the nearest £10

(1)

11) Use your rounded answer to check the answer to Q9

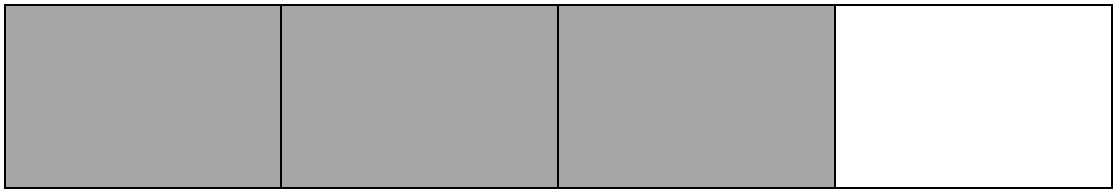
(1)

12) Round 25 to the nearest 10.

(1)

Fractions

1)



a) What fraction of the shape is Grey?

(1)

b) What Fraction of the shape is White?

(1)

2) Shade half of all the shapes below.

(3)

3)

a) What fraction of the shape is white?

(1)

b) What fraction of the shape is grey?

(1)

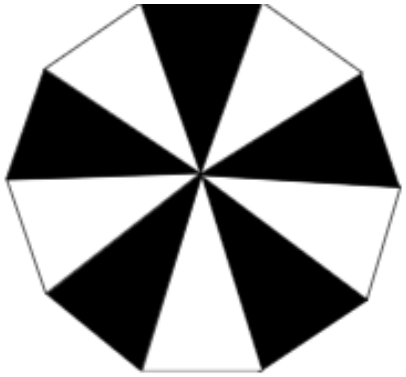
4) Claire wants to buy half of the apples.
How many will she buy?

(1)

5) Jon wants to buy one quarter of the apples.
How many will he buy?

(1)

6)



a) What fraction of the shape is white?

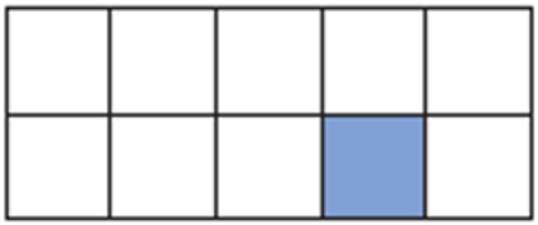
(1)

b) What fraction of the shape is black?

(1)

7) Write down the fraction that is coloured.

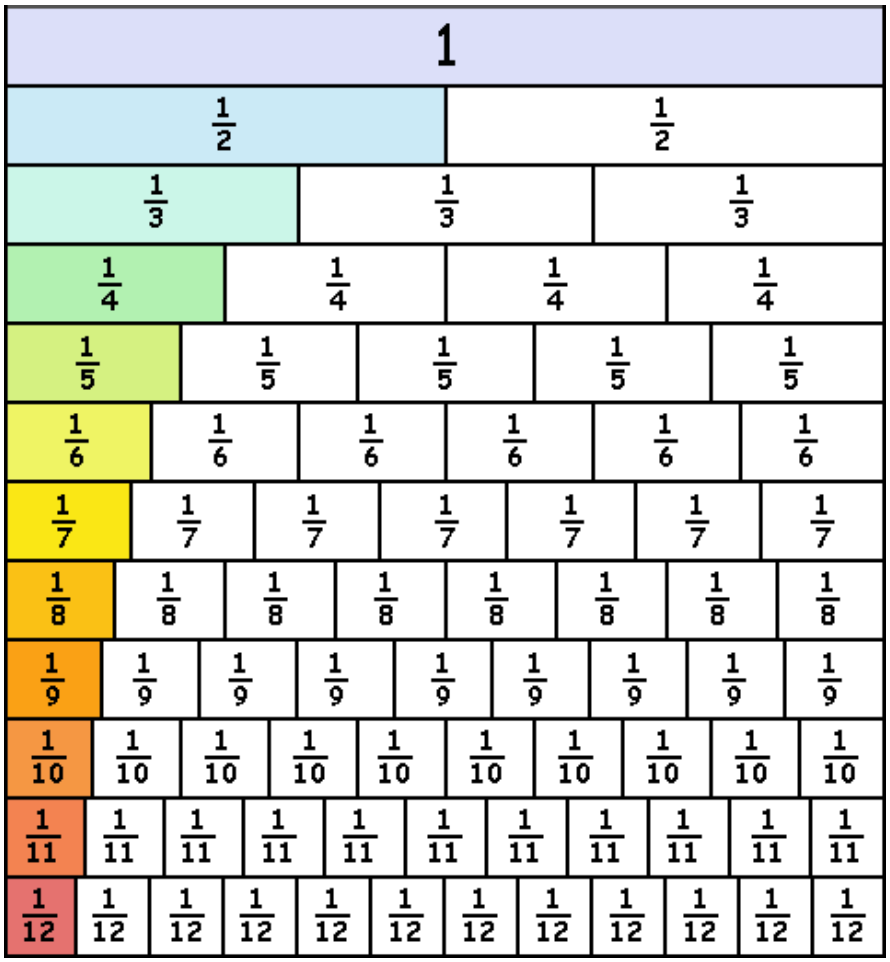
(1)



Fraction coloured

8) Write your answer to Q6 in words

9)



Using the fraction grid, can you write down all the fractions that are the same size as:

a) ½? (5)

b) ¾? (2)

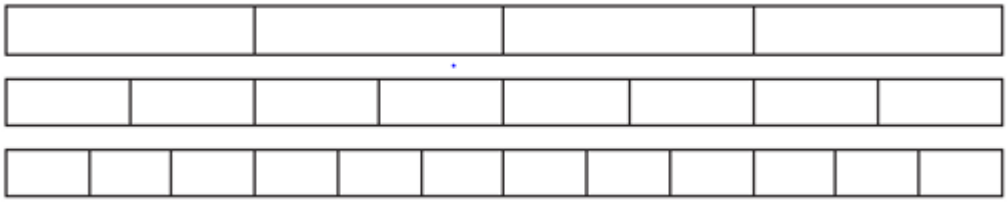
10) Shade in 1/2 of each of these circles.

(1)

11) Shade in 1/4 of each of these circles.

(1)

12) Shade in 3/4 of each of these strips.



(1)

13)

a) Find 1/4 of 40. (1)

b) Find 1/4 of 16. (1)

c) Find 1/10 of 60 (1)

d) Find 1/2 of 30. (1)

e) Find 1/4 of 100. (1)

f) Find 1/2 of 20. (1)

g) Find 1/10 of 50. (1)

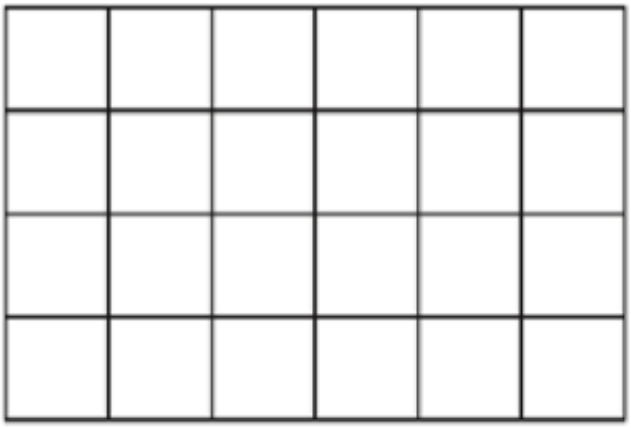
h) Find 1/10 of 90. (1)

14) Here is a shape made from 10 squares.

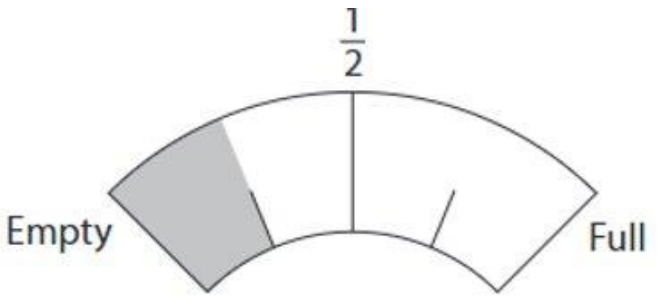
Shade 1/2 of the shape. (1)

15) Shade 1/4 of the shape.

(1)



16)Eleri needs to put fuel in her car.



What fraction of fuel does she have in her car? (1)

17)The total number of downloads in June was 90.

Half of these downloads were in the first week of June.

How many downloads were in the first week of June? (1)

Tick (✔) the correct answer.

4	( )
15	( )
30	( )
45	( )

Decimals and Money

1) Convert the following amounts from pounds to pence

a) £5

(1)

b) £2

(1)

c) £4

(1)

d) £1

(1)

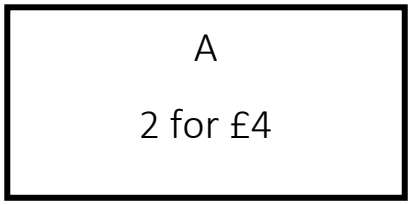
e) £7

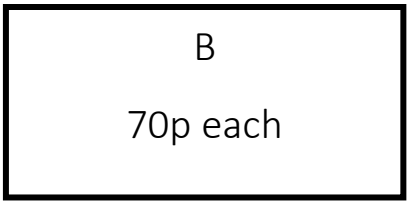
(1)

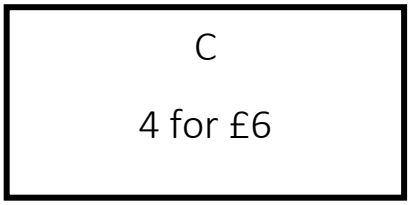
2) Paul is working in a pizza shop; he sees a sign below.

a) How much does one pizza cost? (1)

He sees another set of signs

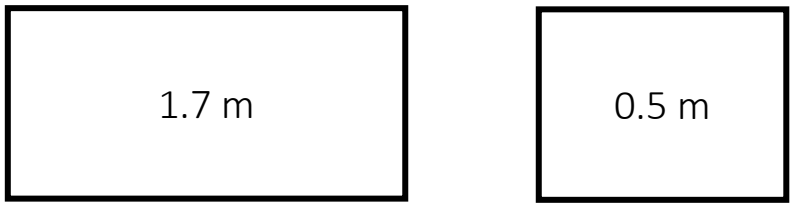






b) His friend says that pack B is the cheapest. Is he correct? Show your workings. (1)

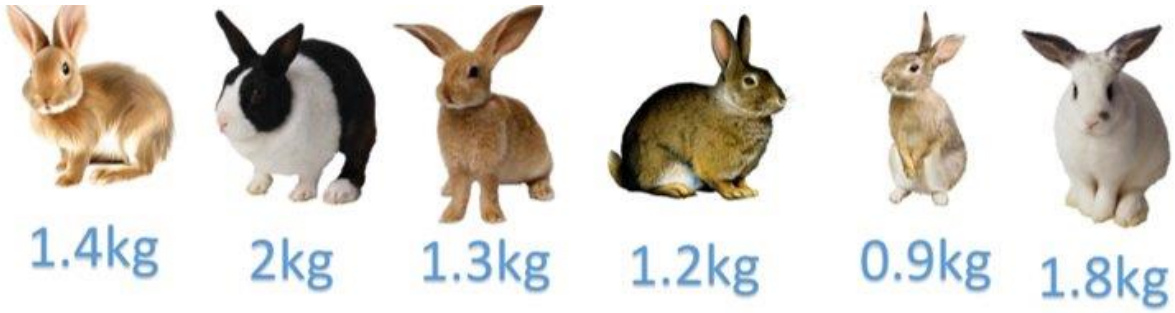
3) Harry is loading two boxes into his car.
The width of the car boot is 2.3 m



Will he be able to fit the two boxes into the car?

(2)

4) Put the following weights of Rabbits in ascending order. (2)



5) Tina buys 2 sandwiches that are £2

a) Calculate the total cost.

Show your working out in the box below. (1)

b) How much change would she receive if she paid using a £5 note.

Show your working out in the box below. (1)

6) You are at the fair.

You can buy muffins from the café.

You can buy 1 muffin at a time.

You can also buy bags of 4 muffins.

These are the prices:

Is it cheaper to buy a bag of 4 muffins or to buy 4 muffins one at a time?

How much cheaper is it?

Show your working out in the box below. (2)

7) You want to go to a theme park.

You need to decide how to get to and from the theme park.

You have a choice of two ways to travel.

Offers on day trips to theme park – option 1	Offers on day trips to theme park – option 2
Coach travel Manchester to theme park £12.00 Single	**Train** Manchester to Stoke-on-Trent £18:00 return **Bus** Stoke-on-Trent to theme park £5:00 return

Work out the total cost of travelling by train and bus.

Is this total cost cheaper than coach travel?

Show your working out in the box below. (2)

Yes ☐ No ☐

8) You and your 2 friends buy entry tickets for the theme parks on the internet.

The table shows the prices at the theme park and the prices on the internet.

	Entry Ticket at the park	Internet Price
Adult (11+)	£38	£31
Child (4-11)	£28	£23
Senior (65+)	£18	£15
Child (under 4)	Free	Free

How much do you save by buying your ticket on the internet?

Show your working out in the box below. (3)

The total cost is £12

Joan pays with a £20 note.

She gets a £7 change.

This is the wrong change from £20. Explain why.

Show your working out in the box below. (2)

9) These are the ticket prices to go into the safari park.

Adult (16-64 years)	£14
Child (3-15 years)	£12
Senior (65 years and over)	£13
Child (under 3 years)	free
Group ticket (2 adults and 2 children)	£48

In Rita's group there are:

- Two adults
- A child ages 7 years.
- A child aged 12 years.

Rita buys a group ticket instead of separate tickets.

How much does Rita save?

Show your working out in the box below. (4)

10) A customer pays Lucy for 6 coat hooks.

Coat hook
12p each

How much does the customer pay in total?

Use correct symbols for money.

Show your working out and your answer in the box below.

11) the nurse matches the heights of some children.

She writes down their heights.

- Fred 1.39 metres
- Lucy 1.1 metres
- Jack 1.4 metres
- Ben 1.06 metres

Which of these children is tallest?

Which of these children is shortest?

Write your answers in the box below (2)

Tallest…….

Shortest……

Measurement

1. Fill in the missing parts below.

a. 10 m = ……. cm	1 cm = ……. mm
b. 1 km = ……. m	10 cm = ……. m
c. 1 kg = ……. g	1000g = ……. kg
d. 1 l = ……. ml	500ml = ……. l

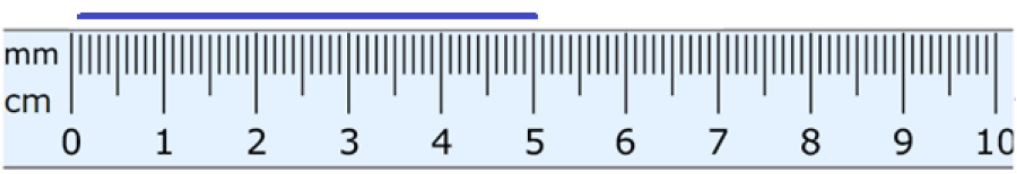
2. Put these measurements in order, from the smallest to the largest.

   a. 1 cm, 1m, 1mm and 1km.

   b. 1 kg, 1 g, 500 g.

   c. 1 l, 300 ml, 0.5 l

3. How long is the blue line below? Include the unit.



4. Aaron thinks that 500 g is greater than 1 kg because 500 is greater than 1.
   Is he right?
   Explain your answer in the box below.

5. Sumra wants to buy two bookcases, each 46cm long.

   She wants to put them next to each other in her bedroom.

   How much space would both bookcases take in total?

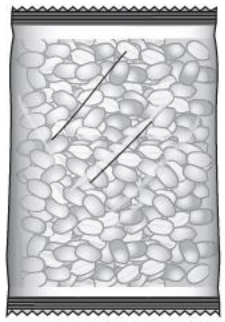
   Sumra has 0.9m space available for the two bookcases.

   She says: 'I can buy the two bookcases and would still have a two cm gap.

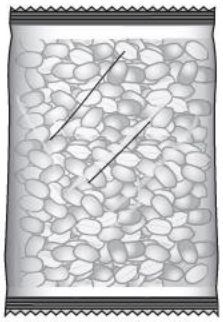
   Is Sumra right?

   Explain your answer in the box below.

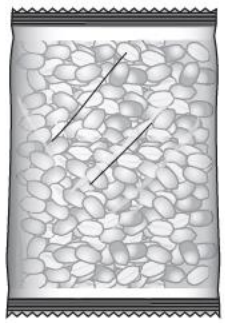
6. Magda has a website showing different packets of foods.
   The packets show the amounts of salt.
   Which packet has the most salt?
   Tick (√) the correct answer.



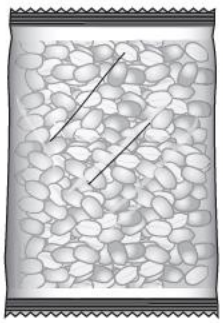
0.7 g
( )



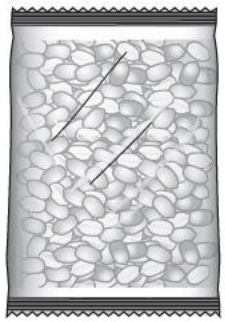
1.5 g
( )



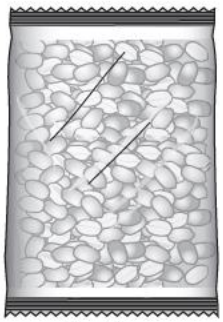
1.7 g
( )



0.4 g
( )



0.6 g
( )



1.4 g
( )

7. Magda puts this list on her website.

Amounts of sugar in cans of drink

Happy orange	26 g
Smile cola	15 g
Tropic lemon	18 g
Lucky orange	23 g
Xtra cola	32 g
Magic lemon	12 g
Texo orange	32 g

Magda shows which orange drink has the least sugar.

Which orange drink does Magda show?

Show your answer here.

8. Magda finds information on chairs for the waiting room.

Width (cm)	Made of	Cost (£)
53	wood	60
56	metal	65
54	metal	77
56	wood	73
57	metal	87
54	wood	49

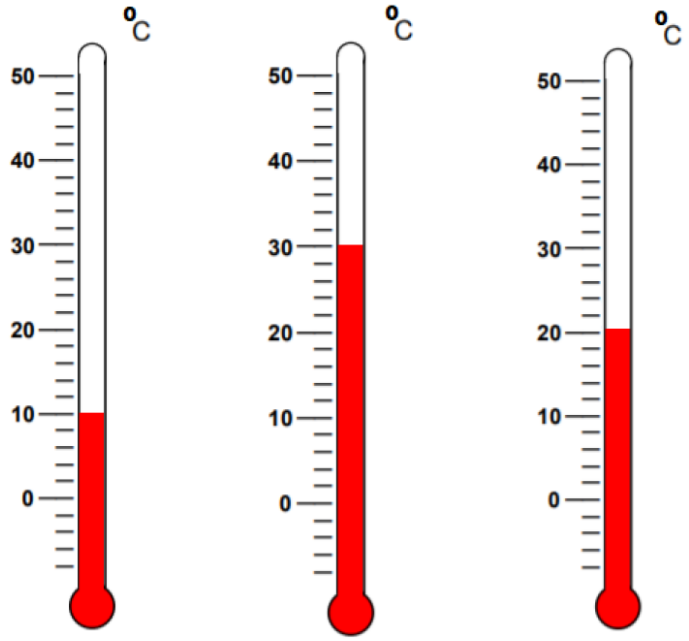
Magda wants metal chairs less than 55cm in width.

How much will each chair cost?

Show your answer here.

Scales

1. Check the temperature shown in the thermometer below.

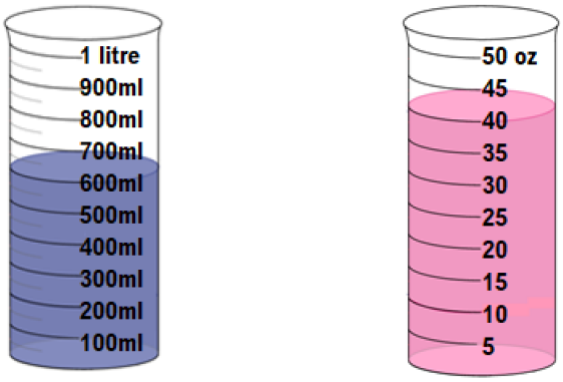


a. Fill in the gaps below.

_____ _____ _____

b. Put the temperatures above in order, from the highest to the lowest.

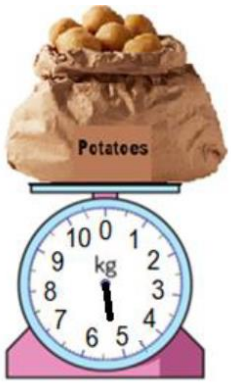
2. How much liquid is there in each of the containers? Include the unit.



Fill in the gaps below.

_____ _____

3. How much does this bag of potatoes weigh?

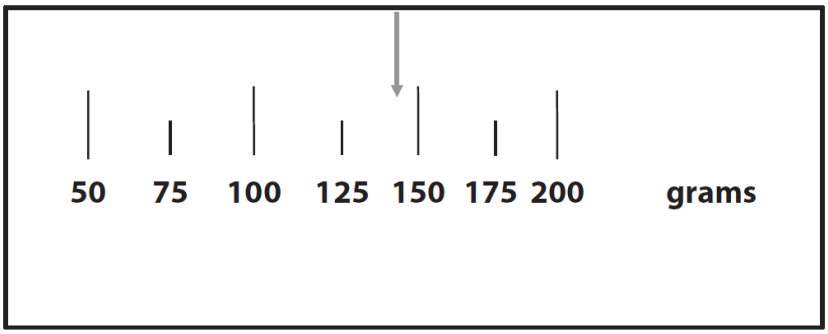


a. Show your answer in the box

b. Anita wants to put the potatoes into containers which hold 3kg each.

How many containers does she need to store all the potatoes above? Explain your answer in the box below.

4. The cook at the restaurant makes pasta.
   The arrow shows the weight of pasta.

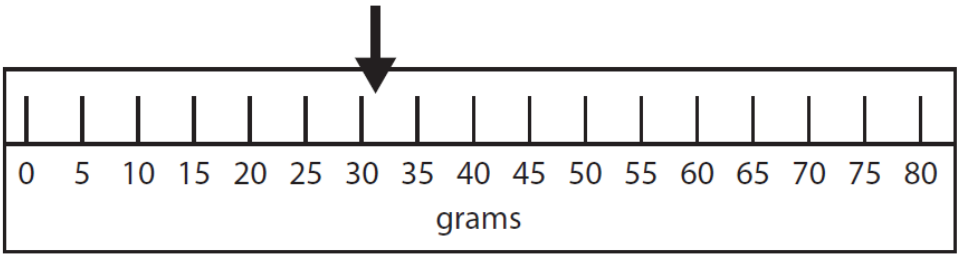


He needs 200 grams of pasta.

How much more pasta does he need to the nearest division?

Show your answer in the box below.

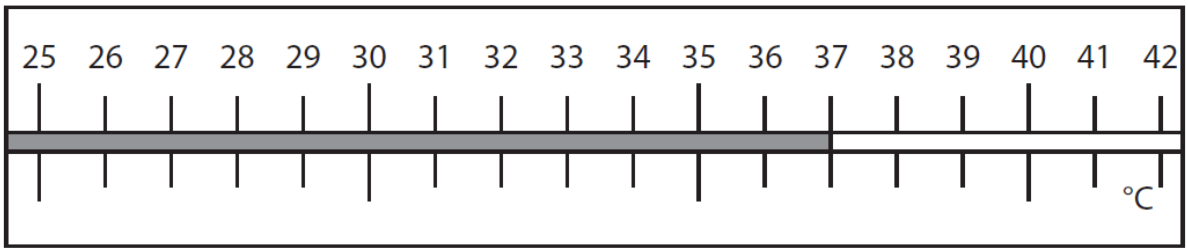
5. Magda wants to make a meal.
   She needs a total of 75g of rice for the meal.
   Magda weighs some rice.



How much more rice does Magda need for the meal to the nearest division? Use the correct unit.

Show your answer in the box below.

6. A patient had a temperature of 41°C on Monday.
Magda takes his temperature later in the week.



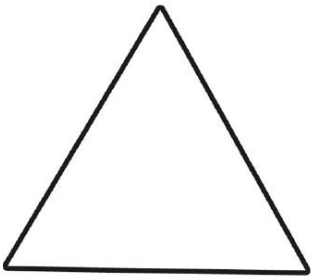
Magda says the temperature has gone down 5 °C.

Is Magda correct?
Show Why you think this.

Show your working and your answer here.

1. Properties of 2D shapes.

Write down the properties of the shapes.

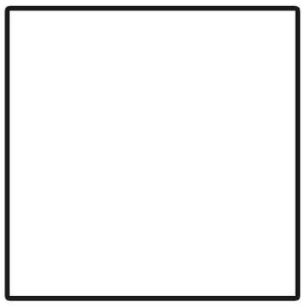


A triangle has ___ sides.

A triangle has ___ corners.

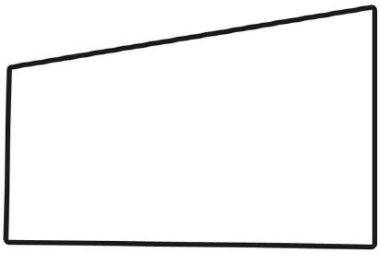
A rectangle has ___ sides.

A rectangle has ___ corners.



A square has ___ sides.

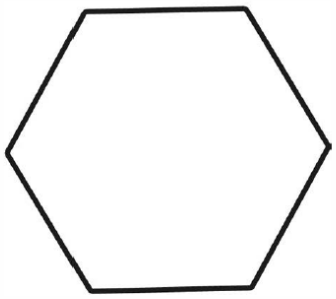
A square has ___ corners.



A quadrilateral has ___ sides.

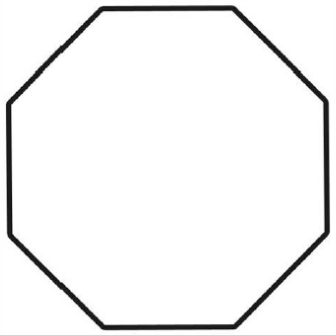
A quadrilateral has ___ corners.

Write down the properties of the shapes.



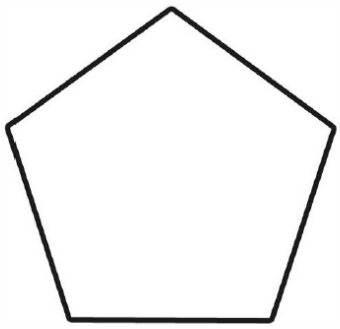
A hexagon has ___ sides.

A hexagon has ___ corners.



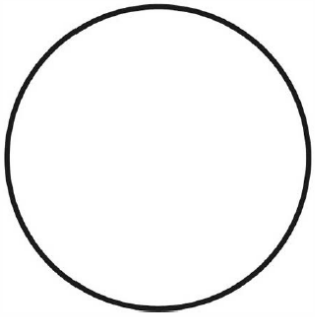
An octagon has ___ sides.

An octagon has ___ corners.



A pentagon has ___ sides.

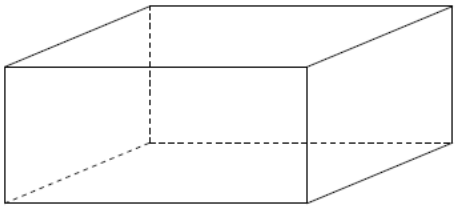
A pentagon has ___ corners.



A circle has ___ side.

A circle has ___ corners.

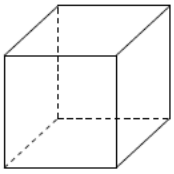
2. Here is a drawing of a 3-D shape.



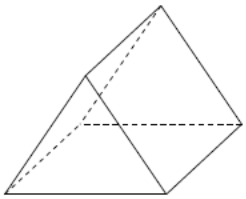
Complete the table

Number of faces	Number of vertices	Number of edges

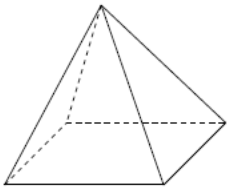
3. Here are diagrams of some 3-D shapes.
Tick the shapes that have the same number of faces as vertices.



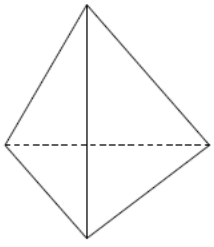
Cube ☐



Triangular Prism ☐



Square Based Pyramid ☐



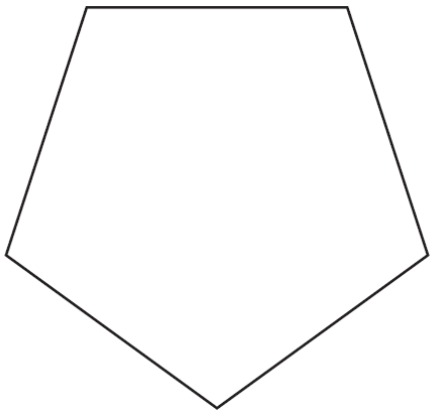
Triangle Based Pyramid ☐

4. Petra buys a poster in a tube.
   This is the shape of the tube.

What is the name of this shape?

Show your answer here.

5. Magda makes a website about healthy food.
   The website has a diagram with this shape.



What is the name of this shape?

Tick (✓) the correct answer.

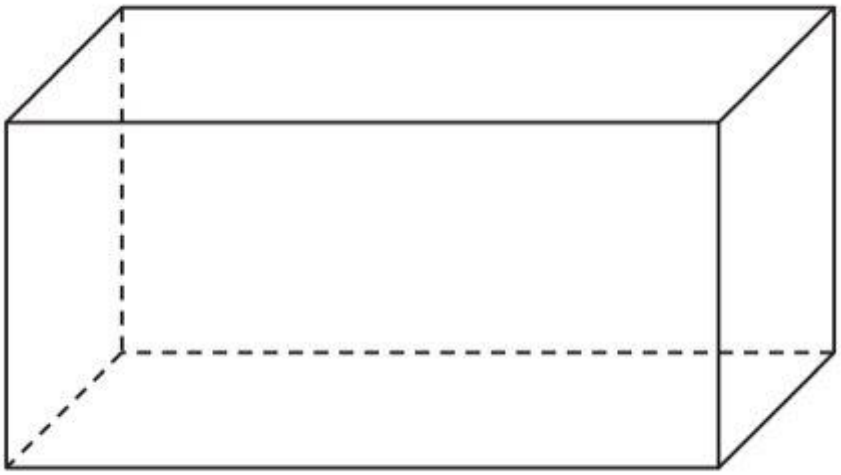
Hexagon ( )

Cylinder ( )

Pentagon ( )

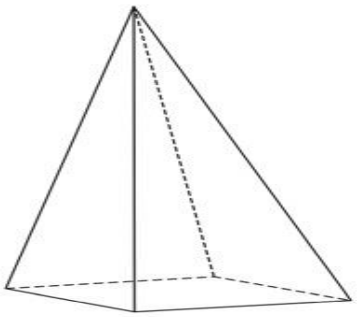
Cuboid ( )

6) Rumtin packs calculators in a box .



What is the name of this shape? (1)

7)Lucy sells lamps in the shape of a pyramid.



How many corners does the base of the pyramid have? (1)

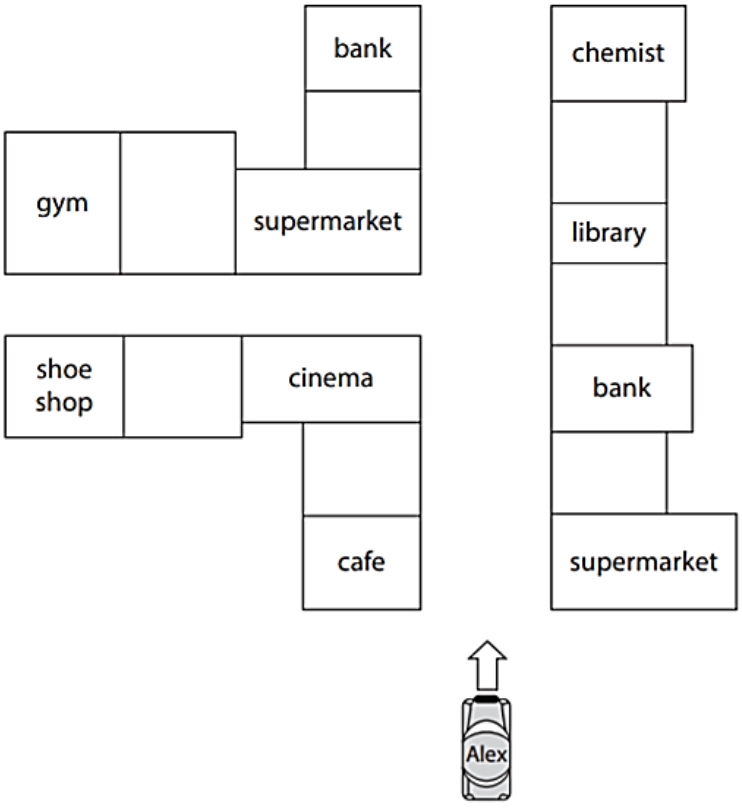
1. The Café has these items.

Tick (✓) the item left to the cup.

[1]

2. Alex takes his mum's car to the garage.

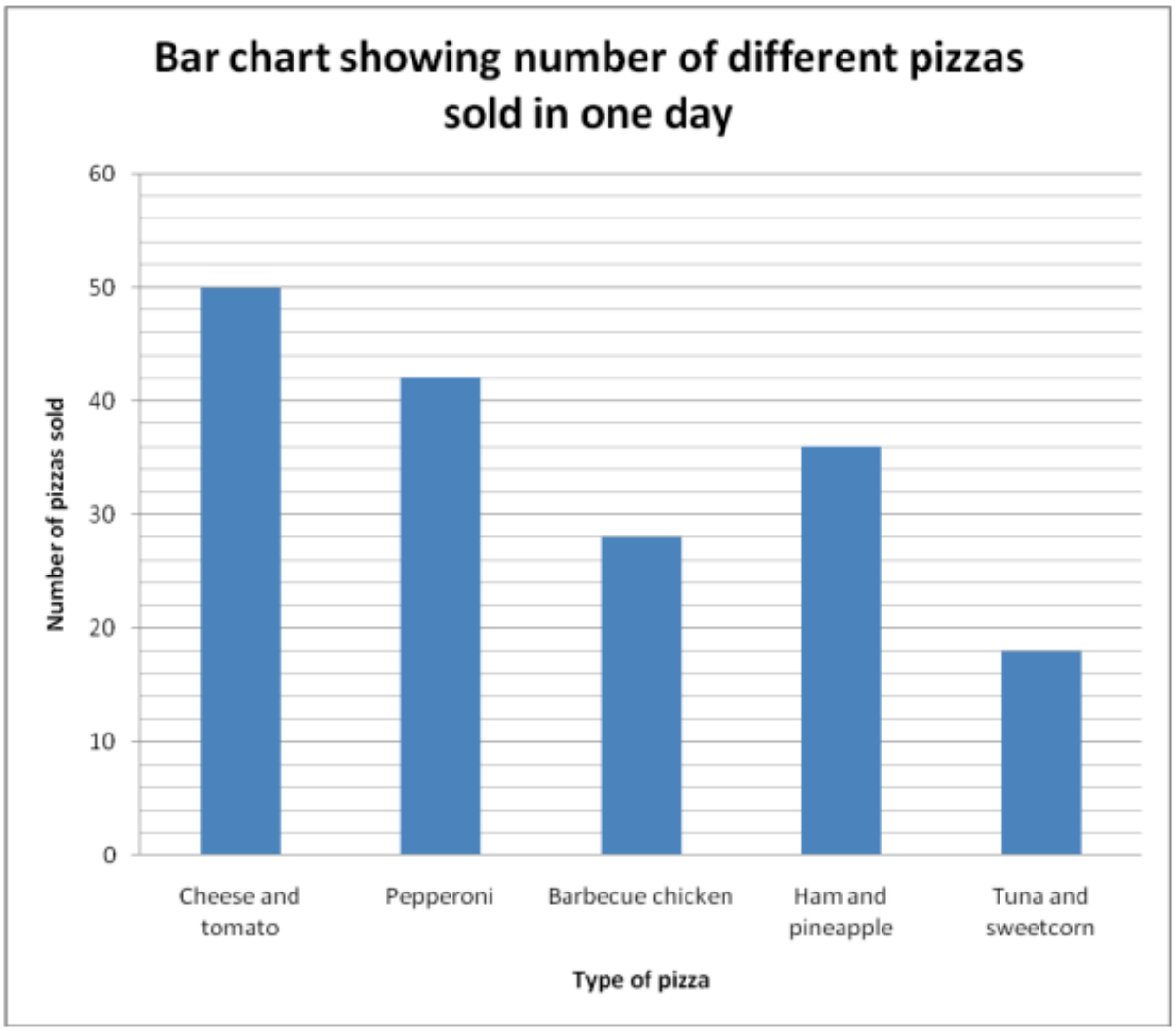
Alex has a street map.



The garage is on the right between a bank and a library.

Show where the garage is on the map.

1)

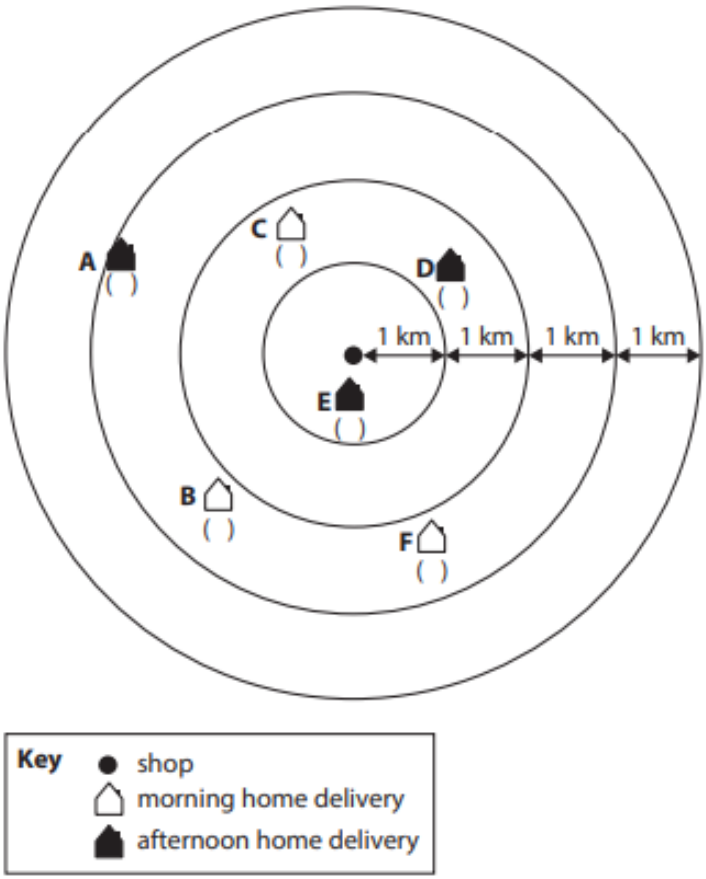


a) What type of pizza sold the most? _____

b) How many pepperoni pizzas were sold? _____

c) How many more Barbeque chicken than Tuna and sweetcorn were sold? _____

2)Lucy looks at a diagram about home deliveries.



The first morning delivery is nearest to the shop

Which morning home delivery is first?

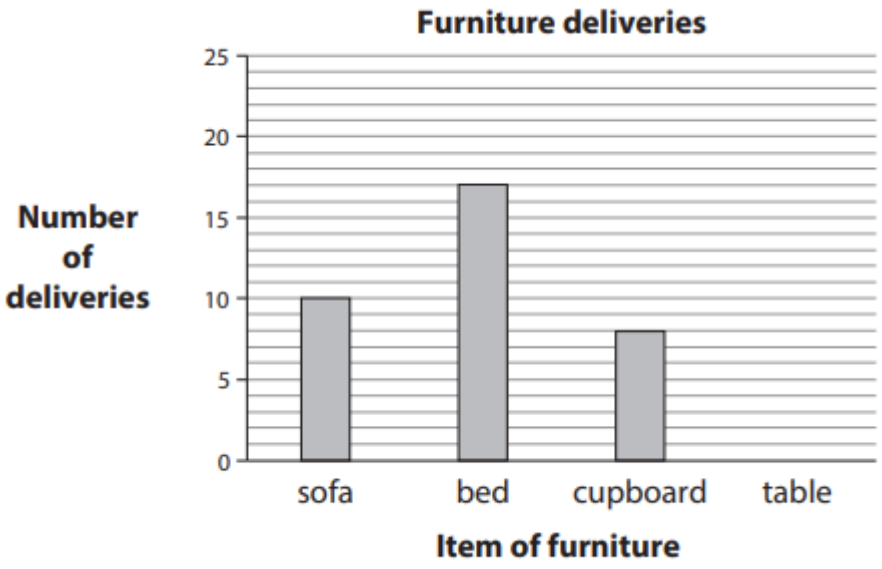
Tick the correct answer on the diagram.

3)Lucy counts the furniture deliveries she makes.

Item of furniture	Number of deliveries
sofa	10
bed	17
cupboard	8
table	21

Lucy needs a bar chart to show the information.

Show the number of deliveries of tables on the chart. (1)



4)Lucy looks at the waiting times for buses.

Waiting times for buses	
Bus 2 to town centre	3 minutes
Bus 4 to station	20 minutes
Bus 5 to town centre	7 minutes
Bus 7 to town centre	18 minutes
Bus 8 to station	9 minutes
Bus 11 to airport	6 minutes
Bus 13 to station	14 minutes

Lucy takes a bus to the station.

She takes the bus with the least waiting time.

Which bus does lucy take? (1)

5)Lucy has information about cupboards for sale.

Colour	Number of drawers	Price (£)
white	3	98
grey	2	132
white	3	109
grey	4	112
brown	3	92
white	5	120
grey	3	105

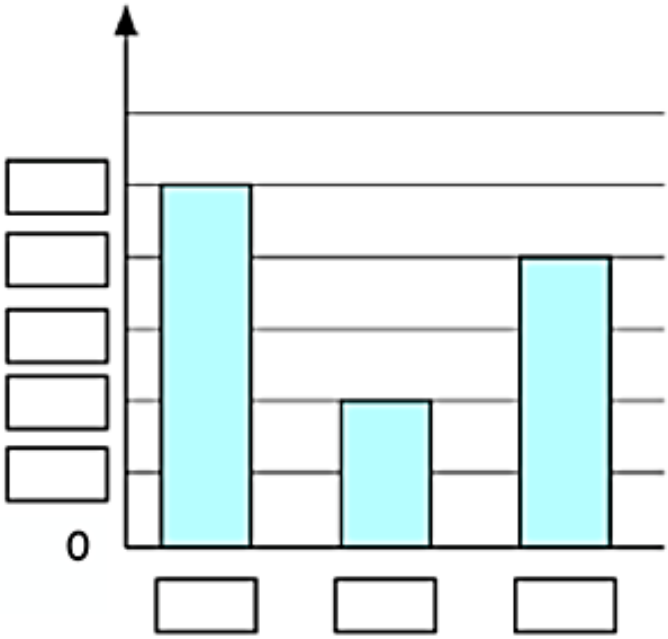
Lucy looks for a grey cupboard with more than 3 draws.

How much will she spend? (1)

1) Sarah collected information about her friends eye colour.
here are her results

Eye colour	Number of Friends
Brown	8
Blue	10
Green	4

Fill in the missing information. (3)

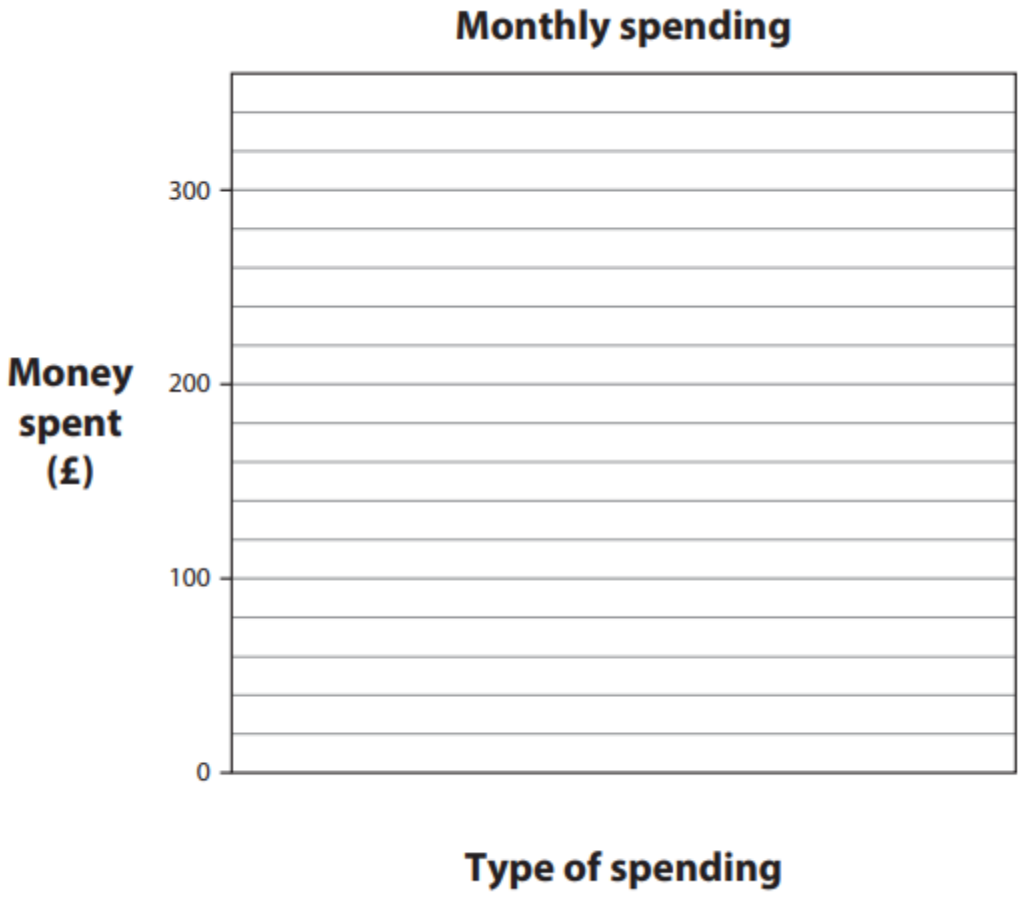


2) Riya shows her monthly spending in a table.

Type of spending	Money spent
bills	£260
going out	£140
rent	£300

The chart shows the monthly spending.

Complete the chart and show the correct labels. (1)



3) Riya and her friends pay bills each month

Type of bill: Energy

Date: 18th of each month

Amount: £55

Type of bill: Water

Date: 10th of each month

Amount: £19

Type of bill: Internet

Date: 21st of each month

Amount: £27

Riya wants to show this information in a table.

Organise this information in a table. (1)