Paul Robbins training and consultancy

AAT Access Award in Business Skills

Lesson 3 – Homework Exercise

Question 1

Round the following numbers to the nearest whole number:

Number	*Rounded Number*
592.59	
1,594.97	
348.16	

Question 2

Round the following numbers to one decimal place:

Number	*Rounded Number*
592.59	
1,594.97	
348.16	

Question 3

Round the following numbers to two decimal places:

Number	*Rounded Number*
592.597	
1,594.973	
348.165	

During September, a business has cash sales of £1,673 and credit sales of £2,824. Its cost of sales is £1,891.

<u>The other expenses of the business are:</u>

Wages £786

Motor expenses £259

Accountancy fees £107

Rent and rates £375

<u>Question 4</u>

Calculate the total sales income for the business.

<u>Question 5</u>

Calculate the gross profit that the business has made.

<u>Question 6</u>

Calculate the net profit or net loss that the business has made.

<u>Question 6</u>

You work in a baker's shop which sells a box of 12 doughnuts for £4.56. How much does each doughnut cost?

<u>Question 7</u>

You work in a baker's shop which sells chocolate eclairs for £1.25 each. A customer comes in wanting to buy 15 chocolate eclairs. Your manager agrees to give the customer a 20% discount on the normal price.

How much money will the customer have to pay?

You work in a baker's shop which is looking to launch some new products. To see whether people would buy the new products, they have asked 80 of their customers whether they would buy the new products and the results are as follows:

3 / 4 of the customers would buy cheese rolls

3 / 5 of the customers would buy gingerbread men

1 / 2 of the customers would buy ciabatta bread

7 / 8 of the customers would buy fruit scones

Question 8

How many customers would buy cheese rolls?

Question 9

How many customers would buy gingerbread men?

Question 10

How many customers would buy ciabatta bread?

Question 11

How many customers would buy fruit scones?

You work in a baker's shop which sells sliced bread. Your manager has provided you with the following information regarding the number of loaves of bread sold each day last week:

Day	*Loaves of Bread Sold*
Monday	*30*
Tuesday	*40*
Wednesday	*50*
Thursday	*25*
Friday	*50*
Saturday	*55*
Total	*250*

Question 12

What percentage of total loaves sold were sold on Monday?

Question 13

What percentage of total loaves sold were sold on Tuesday?

Question 14

What percentage of total loaves sold were sold on Wednesday?

Question 15

What percentage of total loaves sold were sold on Thursday?

Question 16

What percentage of total loaves sold were sold on Friday?

Question 17

What percentage of total loaves sold were sold on Saturday?

You work for a school which has analysed its exam results as follows:

56 students passed French and 8 students failed French

72 students passed Spanish and 9 students failed Spanish

26 students passed German and 2 students failed German

95 students passed English and 15 students failed English

It has asked you to calculate ratios, expressed in their lowest common form.

Question 18

What is the ratio of students who passed French to students who failed French?

Question 19

What is the ratio of students who passed Spanish to students who failed Spanish?

Question 20

What is the ratio of students who passed German to students who failed German?

Question 21

What is the ratio of students who passed English to students who failed English?

Question 22

You work for the Finance Department of a local business. You have been asked to calculate VAT on the value of goods sold to customers. VAT is to be charged at 20% on the amount excluding VAT. You have also been asked to calculate the total value of the sale including VAT.

Amount excluding VAT	*Amount of VAT*	*Amount including VAT*
£109.50		
£371.20		
£224.95		
£818.60		
£455.10		

You play for a local basketball team and you have been asked to find out information about the players' shoe sizes, so that a sponsor can give each player a free pair of basketball boots. The sponsor has also asked you to provide them with some information on average shoe sizes.

The players in your team have given you the following information:

Size 9

Size 10

Size 12

Size 10

Size 8

Size 10

Size 13

Size 11

Size 10

Size 12

Question 23

Calculate the range.

Question 24

Identify the mode.

Question 25

Calculate the mean.

You are surveying people who are using a car park to find out how long they have parked their cars for.

You have obtained the following information on how long they parked for:

2 hours

1 hour

2 hours

4 hours

2 hours

1 hour

3 hours

5 hours

2 hours

4 hours

Question 26

Calculate the range.

Question 27

Identify the mode.

Question 28

Calculate the mean.

You have been given the following information regarding hours worked in your company. All staff get paid £8.80 per hour worked. Hours worked should be rounded to the nearest 5 hours and wages should be rounded to the nearest whole pound.

Name	***Hours Worked***	***Rounded Question***	***Estimated Answer***	***Accurate Answer***
Jake	***41.25***			
Fernando	***46.50***			
Leslie	***38.75***			
Amir	***43.50***			
Susan	***32.25***			
Total				

<u>Question 29</u>

Complete the table above, showing the rounded questions, estimated answers and accurate answers.

<u>Question 30</u>

Calculate the difference between the estimated total answer and accurate total answer.