edexcel

Adult Numeracy Skills for life

Handling Data E3 (Adult Numeracy)

2006/2007 ALAN PRACTISE

advancing learning, changing lives

Adult Numeracy

Handling Data (E3)

Candidate's Name:

Registration Number:

THE FOLLOWING SECTIONS TO BE COMPLETED BY THE ASSESSOR

Centre Name:

Centre Number:

Assessor's Name:

Signature:

Date test taken:

THE FOLLOWING DETAILS CONFIRM THAT THE ASSESSOR HAS IN NO WAY INFLUENCED THE OUTCOME OF THE ASSESSMENT.

IF THIS CANDIDATE HAS HAD ANY ASSISTANCE DURING THIS TEST PLEASE STATE THE NATURE OF THE ASSISTANCE AND WHO PROVIDED IT:

IF THERE ARE ANY SPECIAL CIRCUMSTANCES THAT MAY HAVE HAD A NEGATIVE EFFECT ON THE CANDIDATE'S PERFORMANCE IN THIS TEST PLEASE GIVE DETAILS.
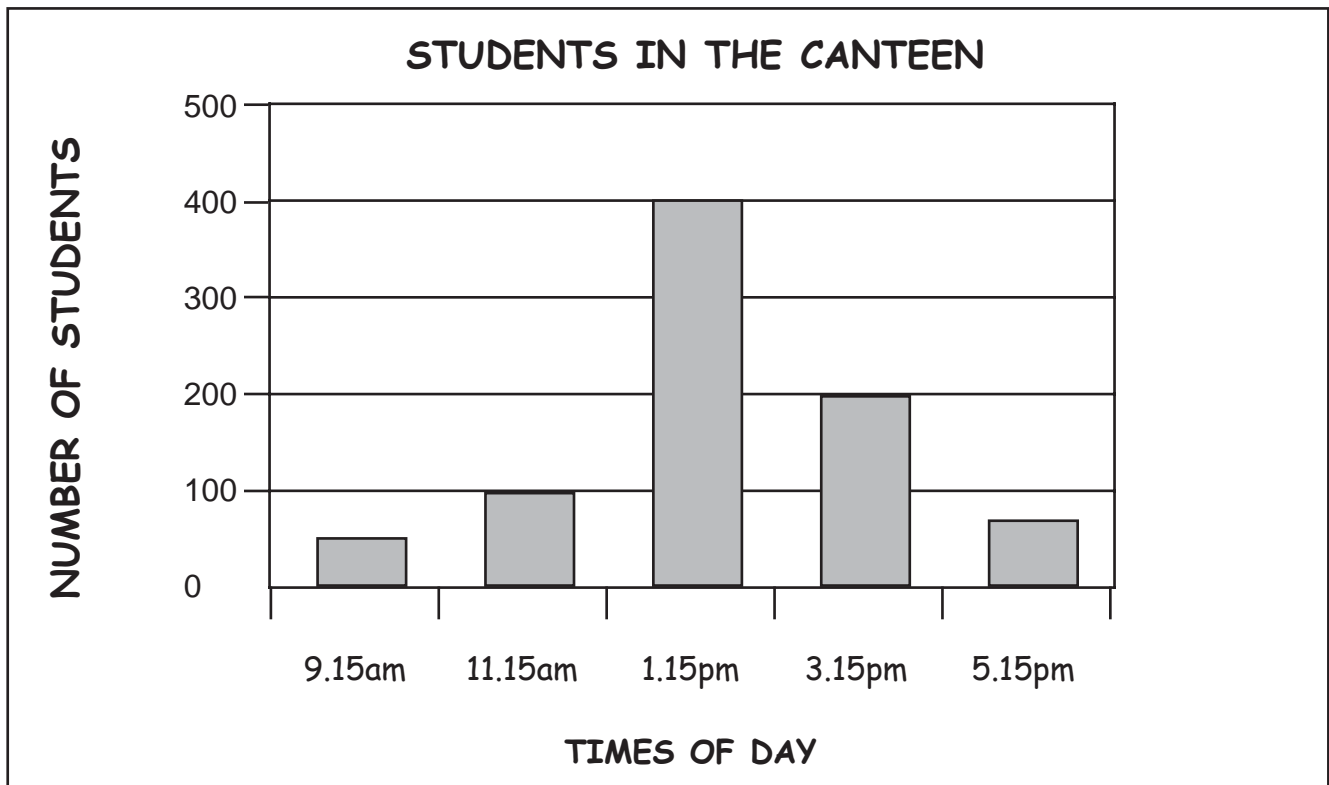
Internal Verifier's Name:

Signature:

Date verified:

QUESTION NO	MARKS AVAILABLE	MARKS GIVEN	EXTERNAL VERIFIER USE
1	3		
2	3		
3	4		
4	5		
5	5		
6	5		
TOTAL	25		
%	100%		
Delete pass or fail as appropriate		PASS - FAIL	PASS - FAIL

(3 marks - 1 each for a, b, and c)

The bar chart shows the number of students in the canteen during one particular day.

STUDENTS IN THE CANTEEN

1a. There are 200 students in the canteen at 11.15am.
Is this true or false? *Tick (☑) one box.*

TRUE ☐   FALSE ☐

1b. How many students are there in the canteen at 3.15pm?
Tick (☑) one box.

300 ☐   250 ☐   200 ☐

1c. How many more students are in the canteen at 1.15pm than at 11.15am?
Write your answer in the box.

Answer: _____ students

(3 marks - 1 for a and 2 for b)
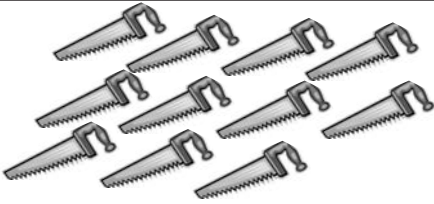
The table shows the catalogue numbers for some of the items in Sam's shop and the quantity of each he has in stock.

Item	Catalogue Number	Quantity
Nut	616	29
Shelf	611	20
Bolt	592	15
Hammer	559	22
Saw	808	17

2a. From the table, which item has the smallest quantity?

Answer:

2b. Sam receives a delivery. The items are shown in the table below. Complete the tally chart and the frequency for these items. ***One has been done for you.***

Item	tally chart	Frequency
	ЖЖ ЖЖ I	11

(4 marks - 1 each for a, b, c and d)

The pictogram shows the number of hours of sunshine in Sunchester in one week in summer.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

Key ☀ = **3 hours of sunshine**
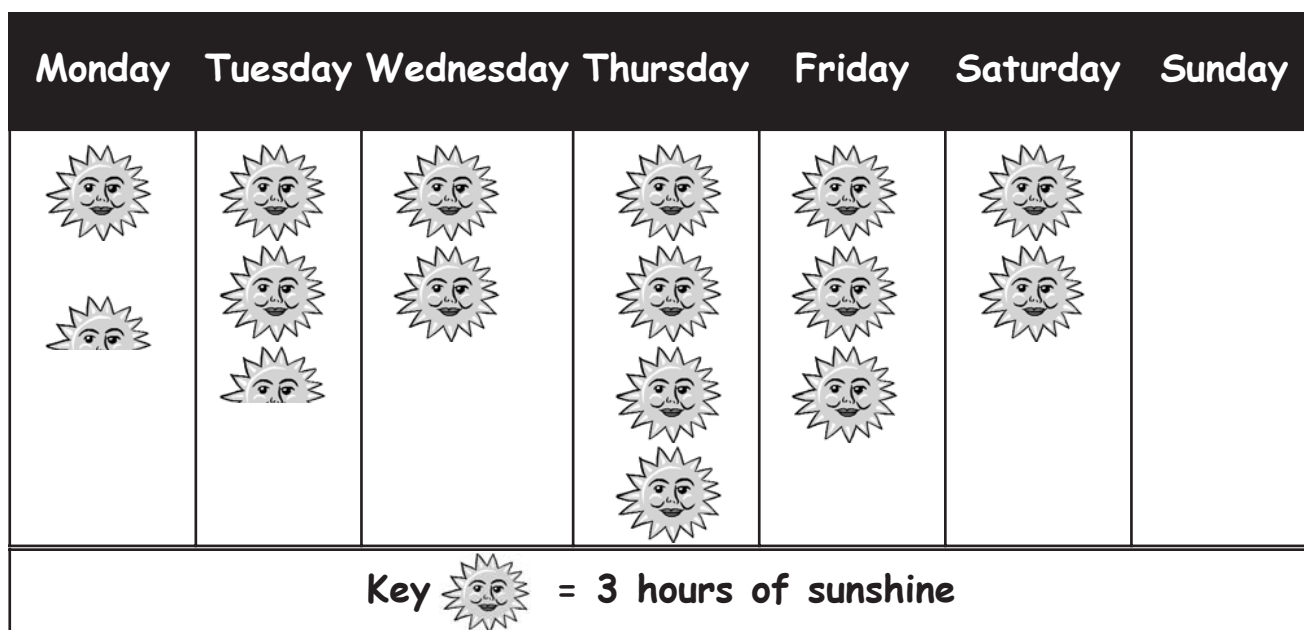
3a. How many hours of sunshine were there on Wednesday?

    hours

3b. Which two days have equal amounts of sunshine?
Write your answers in the boxes.

    and

3c. What are the total hours of sunshine for Friday and Saturday?
Write your answer in the box.

Space for working:

Answer: hours

3d. There are one and a half hours of sunshine on Sunday.
Complete the pictogram for Sunday.

(5 marks - 1 each for a, b, c, d and e)

The chart shows the number of students using different types of transport on their way home from college.

STUDENTS USING TRANSPORT

A bar chart titled "STUDENTS USING TRANSPORT" with y-axis labeled "NUMBER OF STUDENTS" ranging from 0 to 45, and x-axis labeled "TYPES OF TRANSPORT". Bars: BUS = 40, COACH = 20, TRAIN = 30, MINIBUS = 5, TAXI = 10.
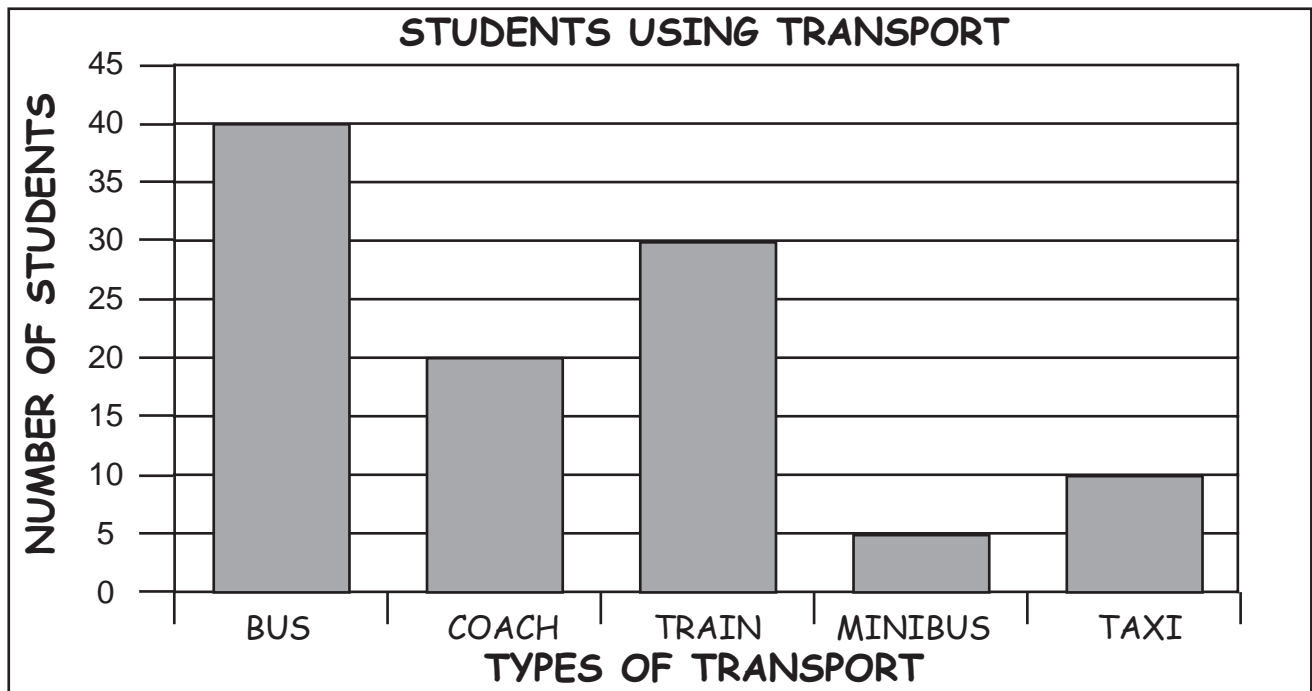
4a. What is the total number of students that use a coach or a train?

students

4b. How many more students use a coach than a taxi?

students

4c. Which *two* types of transport have fewer than 15 students using them?
   Write your answers in the boxes below.

Answer 1:	Answer 2:

4d. Which type of transport is the most used?

Answer:

4e. Which *two* types of transport were used by more than 25 people?

Answer 1:	Answer 2:

(5 marks - 1 for each of a, b, c. d and e)

The pictogram shows the number of each item in a kitchen.

The Kitchen Inventory	
Items	
Forks	
Plates	
Glasses	
Spoons	
Cups	
Key - 1 Picture = 5 items	

5a. How many cups are there?

Answer:

5b. How many more forks are there than spoons?

Answer:

5c. How many glasses are there?

Answer:

5d. Which *two* items have a total of 50? *Tick (☑) one box.*

i. Plates and
Cups ☐   **ii.** Forks and
Spoons ☐   **iii.** Spoons and
Cups ☐

5e. 20 saucers are bought for the kitchen. Complete the pictogram below
for the saucers, using the key shown.

Saucers	
	Key - ◯ = 5 items

(5 marks - 1 for each of a, c, d and 2 for b)

The tally chart shows the number of students of ages 16 to 21 in a numeracy group.

Age	Tally	Frequency
16	IIII	4
17	JHT IIII	
18	JHT JHT	
19	JHT II	
20		6
21	II	

6a. There are 6 students aged 20 in the numeracy group. Complete the tally marks in the above table.

6b. Count the tally marks and complete the frequency column in the above table. The first one has been done for you.

6c. How many students are there in the numeracy group in total?

Answer:	students

6d. How many students are age 19 or over?

Answer:	students

THIS IS THE END OF THE TEST.