

Word Questions 2

Question 6

A builder needed the following lengths of wood to complete her project:

- 1 length at 1.25 m
- 3 lengths at 1.75 m each
- 5 lengths at 0.75 m each.

How much wood did the builder need? If the wood could only be bought in 2 m lengths, how many lengths would the builder need and how much would be wasted?

Question 7

There are 26 students in Sera's class. How many different ways could students be broken into groups? For example, 4 groups of 4 plus 2 groups of 5. List all possibilities and show the equations.

Question 8

In my class we conducted a survey about pets. Here are the results:

- 5 students had no pets
- 5 students had two pets
- 3 students had four pets
- 4 students had only one pet
- 2 students had three pets
- 1 student had five pets

Create a table showing the fraction of students for each pet, e.g. $\frac{1}{4}$ of students have no pets. When you have completed the fractions convert them to decimals.



Question 9

For work I had completed, I received 4 presents worth approximately \$12 each. I also received five \$20 notes and three \$10 notes. What was the value of my work?

Question 10

A farmer had 120 animals. Of these animals, 20 of them were male and the rest were female. The farmer could only put one male animal in a paddock, but he could put as many female animals as he liked in each paddock. How many paddocks did he need and how many animals (male and female) in each? If the farmer sold half of the male animals, how many paddocks would he need and how many animals would be in each paddock?

VELS/Progression Points

Number L4/links to PP 3.25, 3.5, 3.75, 4.0; Structure L4/links to PP 3.25, 3.5, 4.0; Working mathematically L4/links to PP 3.25, 3.5, 4.0 (See Unit 22 pp. 87–89.)