

Full name:

Group:

Catch-up Exam of English for Mechanical engineering

Activity one: say either the statements are true or false?

- Fulcrum is a metal bar on which a wheel turns.....
- Division is splitting into equal parts.....
- Multiplication is a part of a whole.....
- Wedge is a metal pin.....
- The body is homogeneous i.e. it is isotropic.....
- Yield point is the application of maximum load.....
- Screw is used for holding things together.....
- Infinitesimal element is a very small and tiny value.....

Activity Two: Site the types of simple machines, with the function of each one

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Activity 3: define the following words

- **Geometry:**.....
.....
- **Right triangle:**
.....
- **Scalene triangle:**.....
.....

Activity 4: fill in the gaps using the following words:

Reinforced - tension - tensile - compressive.

Concrete has relatively highstrength, but much lower
.....strength. For this reason is usuallywith
materials that are strong in.....

Correction of the English catch up exam for Civil Engineering

Activity 1: write either the statements are true or false.

- Civil engineering is the oldest engineering discipline *False*.....
- Concrete is resistant to earthquake *False*.....
- Acute triangles have all angles obtuse *False*.....
- All parallelograms have lines of symmetry *False*.....
- A mathematician who works in the fields of geometry is called engineer...*False*
- Aggregate carries the compression load *True*.....
- Seismic buildings are structural designs to withstand earthquake...*True*
- Right angle is an angle equal to 90° *True*.....

Activity 2: answer the following questions

1/ what is the average of 10, 3 and 11 (do the necessary operations)

$$10 + 3 + 11 = 24 \quad | \quad 24 \div 3 = 8$$

The average of 10, 3 and 11 is 8

2/ Site two sub disciplines of structural engineering.

Wind engineering

Structural engineering

3/ Write this operation as it is read

$3 \times 5 = 15$ \rightarrow *Three times five equals fifteen*

Three multiplied by five equals fifteen

Activity 3: define the following words

- Geometry: *the area of mathematics relating to the study of spaces and the relationships between points, lines, surfaces*
- Right triangle: *has one right angle equal to 90°*
- Scalene triangle: *has no angles equal, and no sides of equal length*

Activity 4: fill in the gaps using the following words:

Reinforced - tension - tensile - compressive.

Concrete has relatively high *compressive* strength, but much lower *tensile* strength. For this reason is usually *reinforced* with materials that are strong in *tension*.