

Catch-up exam of English for Civil Engineering

Full name: .....

Group:.....

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

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

Activity 2: answer the following questions

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

.....  
.....

2/ Site two sub disciplines of structural engineering.

.....  
.....

3/ Write this operation as it is read

$3 \times 5 = 15$  .....

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 high .....strength, but much lower  
.....strength. For this reason is usually .....with  
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  $90^\circ$  ... *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

$$3 \times 5 = 15 \rightarrow \text{Three times five equals fifteen}$$

*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  $90^\circ$ .
- 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*.