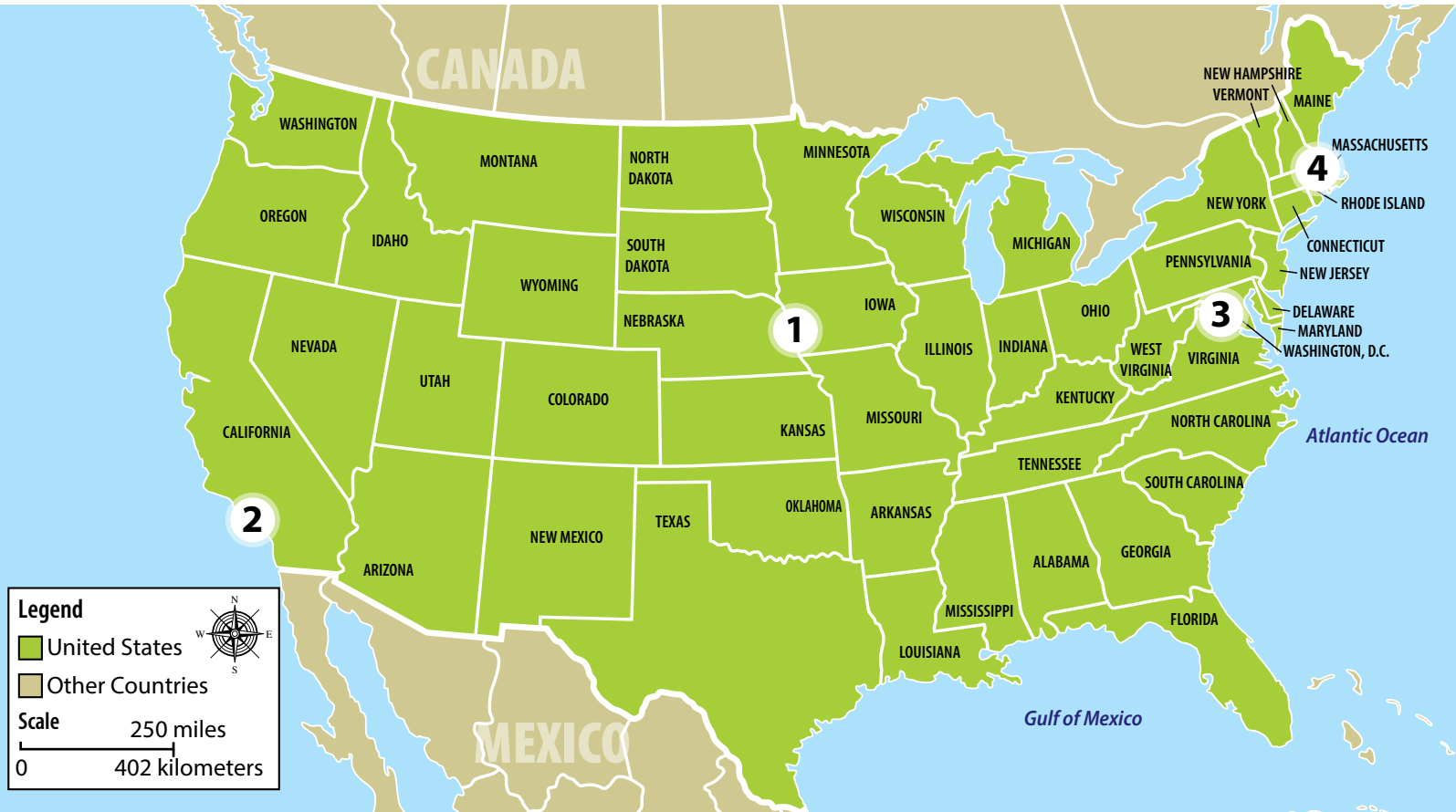


Using the information on pages 8–9 of the book, fill in the blanks with the name of the engineering firm in each location. Use information found in the book and research online to briefly explain why each firm is important or unique.



①

②

③

④

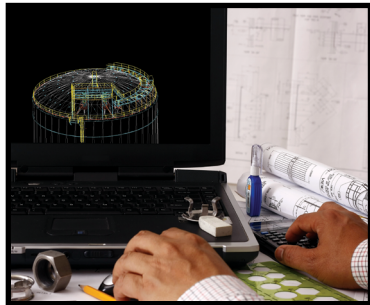


Using information found in the book, name each tool shown below and describe how it is used.



Name

Description



True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Civil Engineer*, verify whether the following information is true or false. Check your answers in the book. List the page number where you found your information beside your answer.

Statement 1

Civil engineers oversee small construction projects.

True

False

Page
Number

Statement 2

Civil engineers use computer-aided design software to help them plan the structures they want to build.

True

False

Page
Number

Statement 3

Civil engineers can be found across the United States. However, the state offering the most opportunities in this field is Pennsylvania.

True

False

Page
Number

Statement 4

Civil engineering can include the development of buildings, roads, and bridges.

True

False

Page
Number

Statement 5

Most modular construction takes about 3 to 5 months to complete.

True

False

Page
Number



Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

Use the information found in *Civil Engineer* to help you complete the following activity.

1. Surveying allows civil engineers to record and analyze the of an area so that they can design an appropriate construction plan.
2. Civil engineers focus on making structures safe and for those who use them.
3. A civil engineer may be called upon to check the of an older structure, such as a bridge.
4. Scientists use the method to solve problems.
5. Civil engineers use counters to find out how many vehicles pass through certain areas.
6. Many of today's structures are built in sections. This means that they are produced in one place and assembled in another.



Using information from the book, select an answer from the right and write its letter in the box beside the statement to which it refers.

Civil engineers have a low unemployment rate of just this percentage.

A. 311,000

Some modular buildings have been completed in as little as this many days.

B. 0.9

Approximately this many civil engineers work in the United States.

C. 94,360

More than this many students graduate with civil engineering degrees each year in the United States.

D. 10

The average salary of a civil engineer in the United States is this many dollars.

E. 13,000



Key Words Match-Up

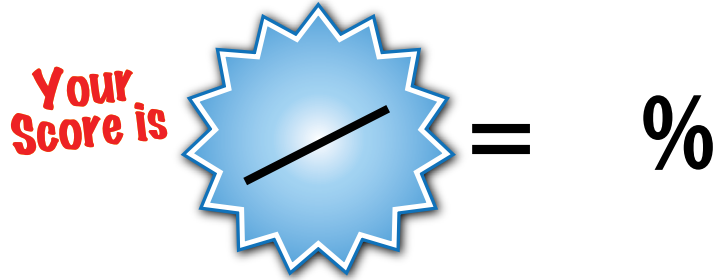
Write the words from the list below in the box above the correct definition for each word.

NAME

DATE

KEY WORDS

bachelor's degree	master's degree
contract	modular
feasibility study	patent
functional	proposal
lasers	subdivision



- the first level of a college program of study
- an area of land containing many homes built at about the same time
- practical and useful
- devices that create an intense beam of light
- an assessment of whether a plan will work or not

- involving a set of standardized parts
- the second-highest level of a college program of study
- the granting of a property right to an inventor
- an agreement that can be enforced by law
- a written plan created for the consideration of others



Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1

What does the word "civil" mean?

2

What does "STEM" stand for?

3

What does a feasibility study explore?

4

What is a hypothesis?

5

What types of measurements can distance meters take?

6

What type of construction involves creating entire sections of buildings on assembly lines?

7

What kinds of toys did many civil engineers play with as children?

8

Calculus and trigonometry are advanced forms of which subject?

9

What level of education do most civil engineers need to find work in the field?

10

What does CAD stand for?

