

Task 1. Engineering Trivia Quiz

1. **What is the standard acceleration due to gravity on Earth in m/s^2 ?**
A) 10.2 m/s^2
B) 9.8 m/s^2
C) 8.5 m/s^2
2. **What is the melting point of pure iron in Celsius?**
A) $1,538^\circ\text{C}$
B) $2,000^\circ\text{C}$
C) $1,000^\circ\text{C}$
3. **What is the standard voltage of a USB device?**
A) 5 volts
B) 3 volts
C) 9 volts
4. **What is the unit of electrical resistance?**
A) Watt
B) Ampere
C) Ohm
5. **What is the standard atmospheric pressure at sea level in Pascals?**
A) 102,000 Pa
B) 100,000 Pa
C) 101,325 Pa
6. **What is the density of water in kilograms per cubic meter at 4°C ?**
A) $1,000 \text{ kg/m}^3$
B) 900 kg/m^3
C) $1,100 \text{ kg/m}^3$
7. **What is the angle of a standard right triangle?**
A) 90 degrees
B) 120 degrees
C) 60 degrees
8. **What is the standard operating voltage of a car battery?**
A) 6 volts
B) 12 volts
C) 9 volts
9. **What is the height of the Eiffel Tower in meters?**
A) 330 meters
B) 300 meters

C) 350 meters

10. What is the boiling point of water in Kelvin?

- A) 400 K
- B) 373 K
- C) 350 K

Task 2. Match the words to get a meaningful collocation.

1. rounding	a) point
2. Scientific	b) error
3. decimal	c) numbers
4. Order of	d) notations
5. leading	e) magnitude
6. significant	f) zero

Task 3. Fill in the gaps with the appropriate collocation.

1. "We use _____ in engineering to easily write very large or small numbers."
2. "It's important to place the _____ correctly when measuring small parts."
3. "In computer programming, a _____ helps keep numbers in the correct format."
4. "The _____ shows how much bigger one value is compared to another."
5. "Rounding errors can affect the accuracy of measurements in engineering calculations."
6. "When measuring materials, engineers use _____ to ensure precision."