Quiz 1. *True/False*: A real number is 'any' number expressible as a decimal.

Solution.

Quiz 2. *True/False*: $\gcd(2^3 \cdot 3^1, 2 \cdot 3^2 \cdot 5^2) = 2^3 \cdot 3^2 \cdot 5^2$ and $\operatorname{lcm}(2^3 \cdot 3^1, 2 \cdot 3^2 \cdot 5^2) = 2 \cdot 3$.

Solution.

Quiz 3. *True/False*: $\dfrac{7}{5}$ divided by $\dfrac{21}{10}$ is $\dfrac{2}{3}$.

Solution.

Quiz 4. *True/False*: $\left(\dfrac{x^8}{y^3}\right)^{-1/2} = \dfrac{\sqrt{y^3}}{x^4}$

Solution.

Quiz 5. *True/False*: The decimal number 14.7 in scientific notation is $1.47 \cdot 10^{-1}$.

Solution.