

## Worksheet: Power Play

Telangana State Board · Class 8 · Mathematics · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** Simplify:  $7^3 \times 7^0$  [1 mark]

---

---

**Q2.** Evaluate  $3^0$  [1 mark]

---

---

**Q3.** Simplify:  $(2^4 \times 2^0) \div 2^0$  [3 marks]

---

---

---

**Q4.** Express the speed of light (299,792,458 m/s) in standard form to 3 significant figures. [3 marks]

---

---

---

**Q5.** If a virus has a diameter of  $1.2 \times 10^{-7}$  m, and 1 cm of a microscope slide can fit viruses side by side, how many viruses fit in 1 cm? [5 marks]

---

---

---