

# TEAS Practice Questions

## Science

**Question:** Which of the following is a primary function of the respiratory system?

**Answer:** Exchange gases

**Question:** What is the main function of the large intestine in the digestive system?

**Answer:** Absorb water

**Question:** What is the function of the enzyme amylase in the digestive system?

**Answer:** Break down carbohydrates

**Question:** What is the chemical symbol for potassium?

**Answer:** K

**Question:** Which of the following is a function of the ribosomes in a cell?

**Answer:** Synthesize proteins

**Question:** What is the purpose of a control group in a scientific experiment?

**Answer:** To provide a baseline for comparison

**Question:** Which of the following is an example of potential energy?

**Answer:** A stretched rubber band

**Question:** What is the primary function of red blood cells?

**Answer:** Carry oxygen

**Question:** What is the sum of the angles in a triangle?

**Answer:** 180 degrees

**Question:** What is the function of the endoplasmic reticulum in a cell?

**Answer:** Protein synthesis

**Question:** What is the chemical symbol for iron?

**Answer:** Fe

**Question:** What is the chemical symbol for hydrogen?

**Answer:** H

**Question:** What is the function of the cerebellum in the brain?

**Answer:** Coordinate muscle movements

**Question:** Which of the following is a function of the respiratory system?

**Answer:** Exchange gases

## **Math**

**Question:** Solve for x:  $2x + 5 = 15$

**Answer:** 6

**Question:** What is the square root of 144?

**Answer:** 12

**Question:** If  $3a = 21$ , what is the value of a?

**Answer:** 7

**Question:** Simplify:  $\frac{3}{4} * \frac{8}{9}$

**Answer:**  $\frac{2}{3}$

**Question:** If  $2x + 3 = 11$ , what is the value of x?

**Answer:** 1

**Question:** What is the perimeter of a rectangle with length 7 cm and width 4 cm?

**Answer:** 28 cm

**Question:** Find the area of a triangle with base 6 cm and height 8 cm.

**Answer:**  $24 \text{ cm}^2$

**Question:** If  $a = 4$  and  $b = 3$ , what is the value of  $a^2 - b^2$ ?

**Answer:** 7

**Question:** Solve for y:  $\frac{2y}{3} = 8$

**Answer:** 16

**Question:** What is the value of  $\frac{2}{5} + \frac{3}{8}$ ?

**Answer:**  $\frac{17}{40}$

**Question:** If the radius of a circle is 5 cm, what is the circumference?

**Answer:**  $25\pi \text{ cm}$

**Question:** Solve for x:  $3(x - 4) = 15$

**Answer:** 9

**Question:** What is the next term in the sequence: 2, 5, 10, 17, ...?

**Answer:** 28

**Question:** If  $\frac{2}{3}$  of a number is 18, what is the number?

**Answer:** 30

**Question:** Find the value of  $5!$  (5 factorial).

**Answer:** 120

**Question:** What is the solution to the equation:  $2x - 7 = 5$

**Answer:** 8

**Question:** If a triangle has angles of  $30^\circ$ ,  $60^\circ$ , and  $90^\circ$ , what is the ratio of the sides opposite these angles?

**Answer:**  $1:\sqrt{3}:2$

**Question:** What is the slope-intercept form of the equation of a line:  $y = mx + b$ ?

**Answer:** None of the above

**Question:** Simplify the expression:  $3x - (2x + 4)$

**Answer:**  $x - 4$

**Question:** If  $4x + 2 = 18$ , what is the value of  $x$ ?

**Answer:** 3

**Question:** What is the value of  $\sqrt{25}$ ?

**Answer:** 5

**Question:** If  $2a = 16$ , what is the value of  $a$ ?

**Answer:** 8

**Question:** What is the volume of a rectangular prism with length 4 cm, width 3 cm, and height 6 cm?

**Answer:**  $48 \text{ cm}^3$

**Question:** Solve for  $y$ :  $3y - 7 = 5$

**Answer:** 5

**Question:** What is the sum of the interior angles of a hexagon?

**Answer:** 360 degrees

**Question:** If  $5x = 25$ , what is the value of  $x$ ?

**Answer:** 5

**Question:** What is the value of  $2^3$ ?

**Answer:** 8

**Question:** If a rectangle has a length of 10 cm and a width of 5 cm, what is the area?

**Answer:**  $25 \text{ cm}^2$

**Question:** Solve for  $x$ :  $3x - 2 = 10$

**Answer:** 6

**Question:** What is the value of  $4^2$ ?

**Answer:** 16

**Question:** If  $2b = 14$ , what is the value of  $b$ ?

**Answer:** 7

**Question:** Simplify:  $\frac{2}{3} * \frac{9}{5}$

**Answer:**  $\frac{3}{5}$

**Question:** If  $5x - 2 = 18$ , what is the value of  $x$ ?

**Answer:** 5

**Question:** What is the perimeter of a square with side length 9 cm?

**Answer:** 54 cm

**Question:** Find the area of a circle with radius 7 cm.

**Answer:**  $49\pi \text{ cm}^2$

**Question:** If  $a = 3$  and  $b = 2$ , what is the value of  $a^2 - b^2$ ?

**Answer:** 5

**Question:** Solve for  $y$ :  $\frac{3y}{4} = 12$

**Answer:** 18

**Question:** What is the value of  $\frac{1}{3} + \frac{2}{5}$ ?

**Answer:**  $\frac{7}{15}$

**Question:** If the diameter of a circle is 10 cm, what is the circumference?

**Answer:**  $20\pi \text{ cm}$

**Question:** Solve for  $x$ :  $2(x - 5) = 16$

**Answer:** 9

**Question:** What is the next term in the sequence: 3, 6, 12, 24, ...?

**Answer:** 60

**Question:** If  $\frac{3}{5}$  of a number is 24, what is the number?

**Answer:** 35

**Question:** Find the value of  $6!$  (6 factorial).

**Answer:** 720

**Question:** What is the solution to the equation:  $3x - 4 = 5$

**Answer:** 3

**Question:** If a triangle has angles of  $45^\circ$ ,  $45^\circ$ , and  $90^\circ$ , what is the ratio of the sides opposite these angles?

**Answer:**  $1:1:\sqrt{2}$

**Question:** What is the slope of a horizontal line?

**Answer:** 0

**Question:** Simplify the expression:  $4y - (3y + 5)$

**Answer:**  $y - 5$

**Question:** If  $5y + 3 = 18$ , what is the value of  $y$ ?

**Answer:** 3

**Question:** What is the value of  $\sqrt{49}$ ?

**Answer:** 7

**Question:** If  $3a = 27$ , what is the value of  $a$ ?

**Answer:** 8

**Question:** What is the volume of a rectangular prism with length 5 cm, width 4 cm, and height 6 cm?

**Answer:**  $140 \text{ cm}^3$

**Question:** Solve for  $y$ :  $4y - 6 = 10$

**Answer:** 6

**Question:** What is the sum of the interior angles of a pentagon?

**Answer:** 360 degrees

**Question:** If  $4x = 20$ , what is the value of  $x$ ?

**Answer:** 4

**Question:** What is the value of  $3^4$ ?

**Answer:** 81

**Question:** If a rectangle has a length of 8 cm and a width of 3 cm, what is the area?

**Answer:**  $24 \text{ cm}^2$