

_____ 21. What is the value of x in the equation $5x - 2 = 3x + 4$?
a. 2 b. 3 c. 4 d. 5

_____ 22. Helen is 13 years old, Helen's father is 4 years more than twice her age. How old is her father?
a. 17 b. 26 c. 30 d. 52

_____ 23. Edna is 155 cm tall. Lilia's height is 10 cm less than twice Edna's height. How tall is Lilia?
a. 280 cm b. 290 cm c. 300 cm d. 310 cm

_____ 24. What speed covers 540 kilometers in 6 hours?
a. 80 kph b. 70 kph c. 90 kph d. 60 kph

_____ 25. At 90 kph, how far do you travel in 3 hours?
a. 270 km b. 180 km c. 90 km d. 300 km

_____ 26. The bus travels 450 km in 9 hours. What is the speed of the bus?
a. 50 km/hr. b. 60 km/hr. c. 70 km/hr. d. 80 km/hr.

_____ 27. Dennis drove his car at an average speed of 80km per hour for a total distance of 440km. How long did he travel to cover this distance?
a. 0.18 hr. b. 0.5 hr. c. 5.5 hr. d. 10 hr.

_____ 28. The distance of the school from your house is 240 meters. It takes 80 minutes by walking to reach the school. What should be your average speed?
a. 2 m/min b. 3 m/min c. 4 m/min d. 6 m/min

_____ 29. What is the formula in finding the area of a rectangle.
a. length + width c. length x width
b. length - width d. length ÷ width

_____ 30. To find the area of a square _____ the side by itself.
a. add b. multiply c. divide d. subtract

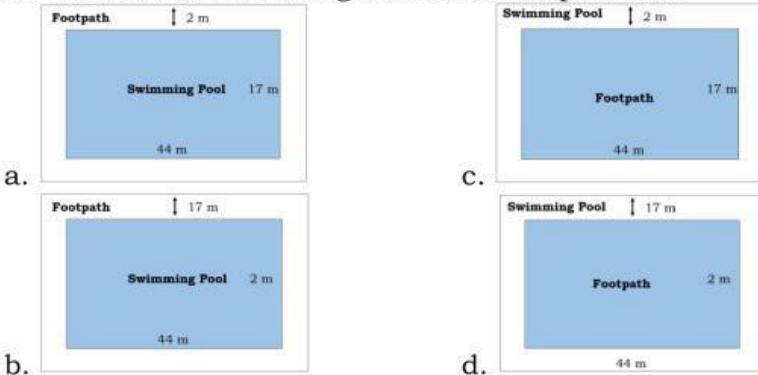
For items 31-35, refer to the word problem below:

A swimming pool, 44 meters long and 17 meters wide has a footpath of 2 meters surrounding it. What is the total area of the footpath?

_____ 31. What is asked in the problem?
a. The total area of the footpath
b. The total area of the surrounding of the swimming pool
c. The total area of the swimming pool
d. The total area of the pool and footpath

_____ 32. What are the given clues needed to solve the problem?
a. measurement of the pool 44 meters x 2 meters, and footpath, 17 meters
b. measurement of the pool 2 meters x 17 meters, and footpath, 44 meters
c. measurement of the pool 44 meters x 17 meters, and footpath of 2 meters
d. measurement of the footpath 44 meters x 2 meters, and pool, 17 meters

33. Which of the following illustrates the problem?



34. What steps should you do to solve for the problem?

- a. Add the area of the pool with footpath to the area of the pool
- b. Subtract the area of the pool with footpath to the area of the pool
- c. Multiply the area of the pool with footpath to the area of the pool
- d. Divide the area of the pool with footpath to the area of the pool

35. What is the total area of the footpath?

- a. 748m^2
- b. 1008m^2
- c. 260m^2
- d. 4m^2

36. The sum of areas of all faces of a solid figure is called _____

- a. circumference
- b. surface area
- c. perimeter
- d. volume

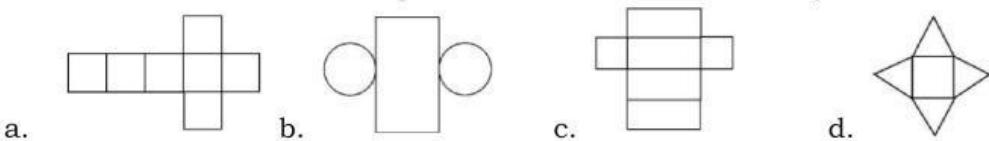
37. The unit for surface area is _____.

- a. cubic unit
- b. square unit
- c. linear unit
- d. weight unit

38. The faces of a cube are _____.

- a. circles
- b. squares
- c. rectangles
- d. triangles

39. Which one of the following shows the surface area of a cylinder?



40. The curved surface of a cylinder when unrolled and flattened becomes ____.

- a. circle
- b. trapezoid
- c. rectangle
- d. triangle

41. What formula is to be used in solving the surface area of a sphere?

- a. $4\pi r^2$
- b. $4\pi rh$
- c. $\pi rs + \pi r^2$
- d. $2\pi rh + 2\pi r^2$

42. To compute for the surface area of a cube, which formula is the appropriate to use?

- a. $6lw$
- b. $6lw^2$
- c. $6s$
- d. $6s^2$

43. To find the surface area of cone, what formula is to be used?

- a. $2\pi rh$
- b. $4\pi r^2$
- c. $\pi rs + \pi r^2$
- d. $2\pi rh + 2\pi r^2$

44. You want to measure the surface area of a classroom. Which is the best unit of measure for it?

- a. cm^2
- b. mm^2
- c. m^2
- d. dm^2

45. A closed rectangular water tank 10 m by 7 m by 6 m is to be painted all over. What is the correct formula that will you use to solve the problem?

a. $SA = 6(l \times w \times h)$
b. $SA = l \times w \times h$

c. $SA = 2lw \times 2wh \times 2lh$
d. $SA = l + w + h$

_____ 46. Lei has a sewing box which is 30 cm by 20 cm by 15 cm. She wants to cover it completely with silk cloth. What is the area she has to cover?

a. 2500 cm^2 b. 2550 cm^2 c. 2600 cm^2 d. 2700 cm^2

_____ 47. A plastic beach ball has a diameter of 16 cm. What is its surface area? a. 803 cm^2 b. 803.84 cm^2 c. 805.84 cm^2 d. 806.84 cm^2

_____ 48. A milk can has a radius of 4 cm and a height of 11 cm. How much tin was used in making it?

a. 125.6 cm^2 b. 267.23 cm^2 c. 276.32 cm^2 d. 376.8 cm^2

_____ 49. How much gift wrapper is needed to wrap a box whose edge is 25cm? a. 3570 cm^2 b. 3705 cm^2 c. 3750 cm^2 d. 3755 cm^2

_____ 50. A ball made of rubber has a radius of 15 cm. What is the area of the rubber material of which it is made?

a. 2268 cm^2 b. 2286 cm^2 c. 2628 cm^2 d. 2826 cm^2