Name: Due Date: Teacher: Parent Sign:

2. A tank measures 120 cm by 80 cm by 90 cm. How many liters of water can it hold?

3. A rectangular tank is 2 m by 0.5 m and has a height of h meters. If the tank holds 600 L, find h.

4. A tank has a base area of 0.50 m2 and holds 250 L when full. How deep is the tank (in meters)?

5. It takes a faucet that pours 50 L per minute to fill a tank that holds 1200 L. How many minutes to fill it?

6. Two faucets fill an 800 L tank. Faucet A fills at 40 L/min and Faucet B fills at 60 L/min. How long to fill the tank if both run?

7. A faucet fills a tank at 30 L/min. A leak empties water at 10 L/min. How many minutes to fill a 500 L tank if both are open?

8. A tank has capacity 2000 L. It is 75

9. A tank is 150 cm by 80 cm by 60 cm. What is its capacity in liters?

10. A cylindrical tank has radius 1.0 m and height 2.0 m. Find the volume in liters. (Use ? ? 3.14.)

11. A rectangular tank is 1.2 m by 0.8 m by 0.5 m. It is half full. How many liters of water are in it?

12. Two containers, 450 L and 350 L, are poured into an empty rectangular tank 1.0 m by 0.8 m. What height (in meters) of water will the receiving tank have?

13. A tank is 3.0 m long, 1.2 m wide and 0.75 m deep. What is its capacity in liters?

14. A water tanker holds 5000 L. A pump fills it at 250 L/min. How many minutes to fill it?

15. A tank measures 50 cm by 40 cm by 30 cm. How many liters does it hold?

16. A tank is 1.5 m by 1.0 m. Water is filled to a depth of 0.25 m. How many liters of water are in the tank?

17. A full tank contains 2000 L. A leak drains 120 L per hour. How long until the tank is empty (in hours and minutes)?

18. Two tanks hold 1000 L and 1500 L. How many 10 L buckets are needed to empty both tanks?

19. A tank capacity is 900 L. After pouring out 345 L, how many liters remain?

20. A rectangular tank is 2.0 m by 1.5 m by 0.6 m and is filled to 80

21. A tank has a base area of 0.50 m2. If adding 10 L of water raises the water level by how many centimeters?

22. A cylindrical tank has radius 0.5 m and height 1.2 m. Find its volume in liters. (Use ? ? 3.14.)

23. A tank holds 800 L. If it is $\frac{3}{5}$ full, how many liters of water are in the tank?

24. A rectangular tank 90 cm by 60 cm by 75 cm is full of water. How many full 2 L bottles can be filled from it?

25. A tank of 1500 L is emptied by a drain at 200 L/hour. How many hours and minutes to empty it?

26. A tank has base area 0.25 m2 and water depth 0.60 m. How many liters of water does it contain?

27. A swimming pool (rectangular) is 10 m by 5 m by 1.2 m deep. How many liters of water does it hold?

28. A small tank is 80 cm by 45 cm by 50 cm. What is its capacity in liters?

29. Water flows into a tank at 75 L/min for 12 minutes. How many liters enter? If the tank capacity is 1000 L, what percent full is it afterward?

30. A cube-shaped tank has side length 0.8 m. What is its capacity in liters?

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31. A tank is 4.0 m by 0.75 m by 0.5 m. How many 25 L buckets are required to empty it?

32. A tank is 2.4 m by 1.0 m by h meters. If it contains 1200 L of water, find h.

33. A cylindrical tank has diameter 2.0 m and height 3.0 m. What is its volume in liters? (Use ? ? 3.14.)

34. A pump fills a tank at 45 L/min. How many liters does it pump in 30 minutes?

35. A tank measures 150 cm by 100 cm by 40 cm and is filled to 60

36. A full tank contains 2400 L. A leak causes water to flow out at 200 L/hour. How long until the tank is half full?

37. A fish tank is 80 cm by 35 cm by 40 cm and is filled to 75

38. A 300 L tank is filled by Faucet A in 10 minutes and Faucet B in 15 minutes when used alone. How long will they take if both run together?

39. A tank measures 1.5 m by 1.2 m by 0.4 m and is $\frac{2}{3}$ full. How many liters of water are in it?

40. A tank holds 5.0 m3. A pipe fills at 100 L/min. How many minutes to fill the tank?

41. A tank measures 220 cm by 150 cm by 100 cm. What is its capacity in liters?

42. A tank 2.0 m by 1.0 m by 0.8 m is filled, then 0.3 m depth of water is removed. How many liters were removed?

43. A cylindrical tank has radius 0.75 m and height 2.0 m. Find its capacity in liters. (Use ? ? 3.14.)

44. A tank holds 850 L. Two 7.5 L buckets are added and a hose adds 120 L more. What is the new amount of water in liters?

45. A rectangular tank is 1.6 m by 0.9 m by 0.5 m. What is its capacity in liters?

46. A tank is one-quarter full and contains 300 L. What is its full capacity in liters?

47. Tank A is 2.0 m by 1.0 m by 1.0 m. Tank B is 1.5 m by 1.0 m by 0.8 m. Which tank holds more water and by how many liters?

48. A tank holds 2000 L. On a hot day 5

49. A tank is 90 cm by 50 cm by 40 cm. If water is bottled into 250 mL bottles, how many full bottles can be filled?

50. Rain falls and adds 4 cm of water to a tank with base area 0.75 m2. How many liters of water were added?