Name: Due Date: Teacher: Parent Sign:

2. Draw a model to show $8 \div 0.25$. How many pieces are there?

3. Use a visual model to show $5 \div 0.2$. How many pieces?

4. Draw a model to show $7 \div 0.1$. How many pieces?

5. Draw an area model to show $3 \div 0.75$. How many pieces?

6. Use a visual model for $10 \div 0.4$. How many pieces?

7. Draw a model for $9 \div 0.3$. How many pieces?

8. Show $4 \div 0.25$ with a visual model. What is the number of pieces?

9. Draw a model showing $2 \div 0.5$. How many pieces?

10. Use drawing or blocks to show $12 \div 0.6$. How many pieces?

Dividing a whole number by a decimal on a number line

11. Use a number line and count jumps of 0.5 to reach 5. How many jumps? (That is, what is $5 \div 0.5$?)

12. On a number line with jumps of 0.25, how many jumps are needed to reach 4? (Find $4 \div 0.25$.)

13. How many jumps of 0.1 are needed on a number line to reach 3? (Find $3 \div 0.1$.)

14. Using jumps of 0.4 on a number line, how many jumps reach 2? (Find $2 \div 0.4$.)

15. How many jumps of 0.75 reach 6 on a number line? (Find $6 \div 0.75$.)

16. Using 0.2 jumps on a number line, how many jumps reach 10? (Find $10 \div 0.2$.)

17. How many jumps of 1.4 reach 7? (Find $7 \div 1.4$.)

18. Using 0.8 jumps, how many jumps reach 8? (Find $8 \div 0.8$.)

19. How many 0.6 jumps to reach 9 on a number line? (Find $9 \div 0.6$.)

20. Using jumps of 0.75, how many jumps reach 3? (Find $3 \div 0.75$.)

Division strategies for decimal quotients (use shifting decimals, multiply top & bottom by $\frac{10}{100}$, or other strategies)

21. Find $15 \div 0.5$.

22. Find $18 \div 0.25$.

23. Find $20 \div 0.4$.

24. Find $14 \div 1.2$. (Give the answer as a decimal or a mixed number.)

25. Find $25 \div 0.05$.

26. Find $11 \div 0.2$.

27. Find $13 \div 0.65$.

28. Find $16 \div 1.6$.

29. Find $30 \div 0.75$.

30. Find $27 \div 0.9$.

Pattern when dividing by tenths and hundredths (look for rules)

Name: Due Date: Teacher: Parent Sign:

31. What is $6 \div 0.1$?

32. What is $6 \div 0.01$?

33. What is $4 \div 0.1$?

34. What is $4 \div 0.01$?

35. Complete: $8 \div 0.1 =$ ___ and $8 \div 0.01 =$ ___. What pattern do you notice?

36. Find $12 \div 0.1$.

37. Find $12 \div 0.01$.

38. Fill in the blanks: $5 \div 0.1 =$ ___ ; $5 \div 0.01 =$ ___.

39. If $9 \div 0.1 = 90$, what is $9 \div 0.01$? Explain the pattern.

40. Which is larger: $7 \div 0.1$ or $7 \div 0.01$? Explain why.

Dividing whole numbers by decimals – word problems and examples

41. A 10?meter ribbon is cut into pieces that are 0.25 m long. How many pieces are there?

42. A baker has 8 liters of batter. Each cake needs 0.5 L. How many cakes can be made?

43. A ribbon 4 m long is cut into pieces of 0.4 m. How many pieces are there?

44. A fence is 15 meters long. Each panel is 0.6 m wide. How many panels fit along the fence?

45. Sam has 28 liters of juice. He pours it into jugs that hold 0.7 L each. How many full jugs can he fill?

46. A syrup container has 9 liters. Each bottle holds 0.75 L. How many bottles can be filled?

47. A farmer has 20 kg of seed. He puts it into bags of 0.25 kg each. How many bags can he fill?

48. A factory cuts 14 meters of tape into pieces that are 0.2 m each. How many pieces?

49. A spool has 50 meters of wire. It is cut into pieces 0.05 m long. How many pieces will that make?

50. A classroom needs strips of fabric 1.2 m long. From 36 meters of fabric, how many strips can be cut?