EDM Unit 4 Study Guide Name

- 1. The map scale on a map of the United States is $\frac{1}{2}$ inch represents 100 miles. If Celine measured the distance between two cities to be 2 inches, what should she write as the actual distance between the two cities?
- 2. Use your ruler to measure the given line segment to the nearest $\frac{1}{8}$ inch.

Use a "friendly number" strategy to solve these problems mentally.

3. 30 divided by 2 equals _____.

(friendly parts of 30)

4. 182 divided by 7 equals _____.

(friendly parts of 182)

- 5. Solve. $182 \div 7 =$
- 6. Solve. $129 \div 31 =$ _____
- 7. Choose your magnitude estimate. Explain how you got your estimate. $5\overline{)52.5}$

| 0.1s 1s | 10s | 100s |
|---------|-----|------|
|---------|-----|------|

- 8. a. Find the value of x in the first number sentence.
 - b. Use this value to complete the second number sentence.
 - x = 70 45 $x^2 =$ _____

- 9. a. Find the value of *t* in the first number sentence.
 - b. Use this value to complete the second number sentence.
 - $t = \frac{2}{5}$ of a century $40 \times t =$ _____
- 10. John has 8 swimming trophies. He would like to place an equal number of trophies on each of 2 shelves. How many trophies should he put on each shelf? Write a number sentence to solve.
- 11. Solve. Show your work. 42/3 = _____
- 12. Solve. Show your work. $6 \times ___= 108$
- 13. Solve. Show your work. $144 \div 39 =$ _____
- 14. Solve. Show your work. 851÷55=_____
- 15. Choose your magnitude estimate. Then solve. $4\overline{)415.2}$

| 0.1s 1s | 10s | 100s |
|---------|-----|------|
|---------|-----|------|

16. Choose your magnitude estimate. Then solve. 13)2.21

| 0.1s 1s | 10s | 100s |
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EDM Unit 4 Study Guide Name _____

- 17. The students of Southwood School are going for a picnic. If each bus can carry 26 students, how many buses would be needed for 325 students?
 - a. Write a number sentence to represent the number story.
 - b. Use a division algorithm to solve the problem.
 - c. What does the remainder represent?

d. What did you do about the remainder? Did you ignore it, report it as a fraction or decimal, or did you round the answer up?

- 18. Simon, Isabel, Clarence, and Maurice bought a box of 53 marbles and divided them equally. They gave away the leftover marbles. How many marbles did each person get?
 - a. Write a number sentence to represent the number story.
 - b. Use a division algorithm to solve the problem.
 - c. What does the remainder represent?

d. What did you do about the remainder? Did you ignore it, report it as a fraction or decimal, or did you round it up?

19. Missing Digits

Find digits A and B in the number below so that the following conditions are true. Show all of your work.

- The 5-digit number must be divisible by 4.
- The 5-digit number must be divisible by 9.
- Digit A cannot be same as Digit B.

3 6 A 2 B

Explain the steps you followed to solve the problem.