EDM Unit 4 Study Guide
Name $\qquad$

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 $\qquad$ .
$\overline{(f r i e n d l y ~ p a r t s ~ o f ~ 30)}$
4. 182 divided by 7 equals $\qquad$ .
(friendly parts of 182 )
5. Solve.
$182 \div 7=$ $\qquad$
6. Solve.
$129 \div 31=$ $\qquad$
7. Choose your magnitude estimate. Explain how you got your estimate.
$5 \longdiv { 5 2 . 5 }$

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

8. a. Find the value of $x$ in the first number sentence.
b. Use this value to complete the second number sentence.

$$
x=70-45 \quad x^{2}=
$$

EDM Unit 4 Study Guide
Name $\qquad$
9. a. Find the value of $t$ in the first number sentence.
b. Use this value to complete the second number sentence.

$$
t=\frac{2}{5} \text { of a century } \quad 40 \times t=
$$

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.
$42 / 3=$ $\qquad$
12. Solve. Show your work.
$6 \times$ $\qquad$ $=108$
13. Solve. Show your work.
$144 \div 39=$ $\qquad$
14. Solve. Show your work.

$$
851 \div 55=
$$

$\qquad$
15. Choose your magnitude estimate. Then solve.
$4 \longdiv { 4 1 5 . 2 }$

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

16. Choose your magnitude estimate. Then solve.
$1 3 \longdiv { 2 . 2 1 }$

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

EDM Unit 4 Study Guide
Name $\qquad$
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.


## 36 A 2 B

Explain the steps you followed to solve the problem.

