

EDM Unit 4 Study Guide

Name _____

9. a. Find the value of t in the first number sentence.
b. Use this value to complete the second number sentence.

$$t = \frac{2}{5} \text{ of a century} \qquad 40 \times t = \underline{\hspace{2cm}}$$

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.
 $42/3 = \underline{\hspace{2cm}}$

12. Solve. Show your work.
 $6 \times \underline{\hspace{2cm}} = 108$

13. Solve. Show your work.
 $144 \div 39 = \underline{\hspace{2cm}}$

14. Solve. Show your work.
 $851 \div 55 = \underline{\hspace{2cm}}$

15. Choose your magnitude estimate. Then solve.

$$4 \overline{)415.2}$$

0.1s	1s	10s	100s
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16. Choose your magnitude estimate. Then solve.

$$13 \overline{)2.21}$$

0.1s	1s	10s	100s
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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?
- Write a number sentence to represent the number story.
 - Use a division algorithm to solve the problem.
 - What does the remainder represent?
 - 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?
- Write a number sentence to represent the number story.
 - Use a division algorithm to solve the problem.
 - What does the remainder represent?
 - 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.