6.1	Decir	nals a	and F	Percents
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Name:

MATCHING Match the decimal with its equivalent percent.

- **1.** 0.42
- 2. 4.02
- **3.** 0.042
- **4.** 0.0402

- A. 4.02%
- B. 42%
- C. 4.2%
- D. 402%
- 6. WHICH ONE DOESN'T BELONG? Which one does not belong with the other three? Explain your reasoning.

Explain why not in a sentence:

Write the percent as a decimal.

7. 78%

8. 55%

9. 18.5%

10, 57.4%

11. 33%

12, 9%

Write the decimal as a percent.

19. 0.74

20. 0.52

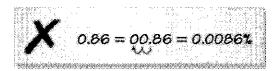
21. 0.89

22. 0.768

23. 0.99

24. 0.49

31. ERROR ANALYSIS Describe and correct the error in writing 0.86 as a percent.



What is the error? _____

0.86 = _____%

38. SCHOOL The percents of students who travel to school by car, bus, and bicycle are shown for a school of 825 students.







a) Write the percents as decimals:

b) Write the percents as simplified fractions: _____

c) What percent of students use another method to travel to school?

6.2 Comparing Fractions, Decimals, and Percents



Fair Game Review what you learned in previous grades & lessons

Tell whether the ratios form a proportion.

36. What is the solution of 2n-4>-12?

33.
$$\frac{6}{10}$$
, $\frac{9}{15}$

34.
$$\frac{7}{16}$$
, $\frac{28}{60}$



Practice and Problem Solving

1. Complete the table (no calculator!):

Decimal Percent Fraction 0.72 25 17 85% 20 13 50 0.6245%

2. Which one does not belong?

Explain.

40%	2 5
0.4	0.04
Why not?	

Tell which number is greater. Show math evidence!

6.
$$\frac{37}{50}$$
, 37%

6.
$$\frac{37}{50}$$
, 37% **7.** 50%, $\frac{13}{25}$

Convert to same form! Then order from least to greatest:

16. 38%,
$$\frac{8}{25}$$
, 0.41

17. 68%, 0.63,
$$\frac{13}{20}$$

22. TEST You answered 21 out of 25 questions correctly on a test. Did you reach your goal of getting at least 80%?

Why? Show math evidence!