Name_____ Date_____ Period_____

LESSON 4-2 · SESSION 1 · PRACTICE · FORM A

Fractions, Decimals, Percents

Learning target – I can write the same value as a fraction, a decimal, and a percent. · 6.AT.4

REMEMBER

- A **percent** means out of 100: 45% = 45/100 = 0.45.
- **Fraction to percent:** make the denominator 100. Simplify first if needed: 15/60 = 1/4 = 25%.
- **Decimal to percent:** read hundredths. 0.5 = 0.50 = 50%, not 5%.

WORKED EXAMPLE

20 students voted. 7 chose green. Write the green votes as a fraction, a decimal, and a percent.

Step 1 Fraction: 7/20.

Step 2 20 × 5 = 100, so 7/20 = 35/100.

Step 3 35/100 = 0.35 = 35%.

Answer 7/20 = 0.35 = 35%

WORDS **percent** *(por ciento)* · **equivalent** *(equivalente)* · **hundredths** *(centésimas)*

PRACTICE

show your work · label units

1. Write each value as a percent.

a. 0.6 = ___ %

b. 9/20 = ___ %

c. 0.08 = ___ %

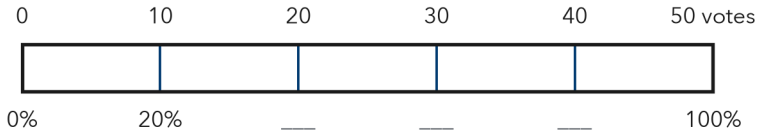
d. 3/25 = ___ %

e. 0.72 = ___ %

f. 1/4 = ___ %

2. **Class Pet Vote.** A class of 50 students voted for a class pet. 16 chose a hamster, 24 chose a fish, and the rest chose a turtle. Finish the bar, then complete the table.

Hint *Find the turtle votes first: 50 − 16 − 24.*



Pet	Votes	Fraction (simplest)	Decimal	Percent
Hamster	16			
Fish	24			
Turtle				

3. **Free Throws.** Jordan made 12 of his 16 free throws.

Hint *Divide 12 and 16 by 4 first.*

a. Fraction in simplest form _____

b. Percent _____ %

4. **Phone Battery.** Kayla's phone shows 0.6 of a full charge.

a. Charge as a percent _____ %

b. Percent used up _____ %

5. Jacket Sale. A $40 jacket is on sale with a $26 discount (money taken off the price). Write the discount as a part of the price: a fraction in simplest form, a decimal, and a percent.

Hint *Simplify to 13/20, then multiply top and bottom by 5.*

Show your work.

Fraction, decimal, %_____

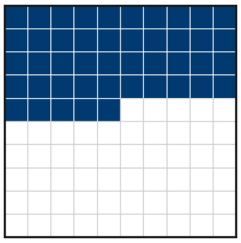
6. Bracelet Beads. A bracelet has 8 red beads and 12 blue beads.

Hint *Find the total number of beads first.*

a. Percent of the beads that are red _____ %

b. That percent as a decimal (use this one in the code) _____

7. Step Counter. The grid shows how much of his step goal Naji reached.



a. Percent _____ %

b. Decimal _____

c. Fraction in simplest form _____

8. Three Surveys. Survey A: 0.45 of students ride the bus. B: 11/25 ride. C: 46% ride.

a. Write all three as percents. _____

b. Order the surveys from least to greatest. _____

FIND THE ERROR

explain the mistake, then fix it

9. Priya's Work. Priya wrote the decimal 0.08 as 80%. She said the digits look the same. Explain her mistake. Then write 0.08 correctly as a percent.

_____

_____

TEST PRACTICE

choose the best answer

10. 0.8 written as a percent is –

A 8% **B** 0.8% **C** 80% **D** 800%

11. 1/4 written as a decimal is –

A 0.14 **B** 0.25 **C** 0.4 **D** 1.4

SELF-CHECK CODE

find your answer · copy its letter into that problem's box · spell a math word

0.04 X	6.5% Q	75% E	65% C	6% Z	60% R	12% P	B, A, C T	9/20 N	0.4 E

#1d	#3b	#4a	#5	#6b	#7c	#8b

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____