Name_____ Date_____ Period_____

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

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. 0.9 = ___ %

b. 11/20 = ___ %

c. 0.04 = ___ %

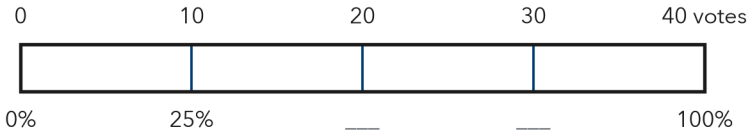
d. 6/25 = ___ %

e. 0.38 = ___ %

f. 3/4 = ___ %

2. **Field Trip Vote.** A class of 40 students voted for a field trip. 14 chose a museum, 18 chose a zoo, and the rest chose a nature center. Finish the bar, then complete the table.

Hint *Find the nature center votes first: 40 − 14 − 18.*



Trip	Votes	Fraction (simplest)	Decimal	Percent
Museum	14			
Zoo	18			
Nature center				

3. **Free Throws.** Tasha made 15 of her 25 free throws.

Hint *Divide 15 and 25 by 5 first.*

a. Fraction in simplest form _____

b. Percent _____ %

4. **Phone Battery.** Luis's phone shows 0.35 of a full charge.

a. Charge as a percent _____ %

b. Percent used up _____ %

5. Jacket Sale. A $40 jacket is on sale with a $22 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 11/20, then multiply top and bottom by 5.*

Show your work.

Fraction, decimal, %_____

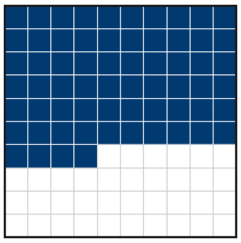
6. Bracelet Beads. A bracelet has 6 green beads and 14 white beads.

Hint *Find the total number of beads first.*

a. Percent of the beads that are green _____ %

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

7. Step Counter. The grid shows how much of her step goal Imani reached.



a. Percent _____ %

b. Decimal _____

c. Fraction in simplest form _____

8. Three Surveys. Survey A: 0.62 of students bring lunch. B: 3/5 bring lunch. C: 61% do.

a. Write all three as percents. _____

b. Order the surveys from least to greatest. _____

FIND THE ERROR

explain the mistake, then fix it

9. Maya's Work. Maya wrote the decimal 0.7 as 7%. She said the digit looks the same. Explain her mistake. Then write 0.7 correctly as a percent.

_____

_____

TEST PRACTICE

choose the best answer

10. 0.3 written as a percent is –

A 3% **B** 0.3% **C** 30% **D** 300%

11. 3/4 written as a decimal is –

A 0.34 **B** 0.75 **C** 0.43 **D** 3.4

SELF-CHECK CODE

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

0.3 M	16/25 A	65% C	B, C, A L	3% Z	4% D	55% I	15% Q	5.5% X	60% E

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

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