Name_____ Date_____ Period_____

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

Percents Greater Than 100%

Learning target – I can use percents greater than 100% to describe an amount larger than the whole. · 6.AT.4

REMEMBER

- **100%** = one whole. Over 100% = **more than the whole**. 3 times as much = **300%**.
- Find 10% of the whole. If the whole is 20, 10% is 2. 30 is 15 groups of 2, so 30 is 15 × 10% = 150%.

WORKED EXAMPLE

A puppy went from 5 lb (the whole) to 8 lb.

Step 1 Whole: 5 lb = 100%.

Step 2 1 lb = 100% ÷ 5 = 20%.

Step 3 8 lb = 8 × 20% = 160%.

Answer 8 lb is 160% of last month's weight

WORDS **the whole** *(el entero)* · **times as much** *(veces tanto como)* · **greater than 100%** *(mayor que 100%)*

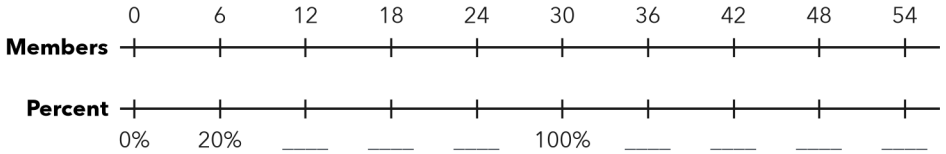
PRACTICE

show your work · label units

1. Write each "times as much" as a percent of the whole.

a. 5 times = ___ % **b.** 1.4 times = ___ % **c.** 3.5 times = ___ % **d.** 1.1 times = ___ %

2. **Garden Group.** A garden group had 30 members last year (the whole) and 54 this year. Fill in the line. This year is what % of last year?



This year_____ %

3. **Practice Minutes.** Cole practiced piano 32 minutes on Monday and 40 minutes on Tuesday.

a. Tuesday is _____ % of Monday.

b. Monday is _____ % of Tuesday.

4. **Jump Rope.** Deshawn jumped 50 times on Monday (the whole) and 85 times on Friday. Friday is what % of Monday?

Hint *10% of 50 is 5. Count the 5s up to 85.*

Show your work.

Answer_____ %

5. **Video Views.** A first video got 400 views. A second video got 1,000 views. The second is what percent of the first?

Hint *How many 400s make 1,000?*

Show your work.

Answer_____ %

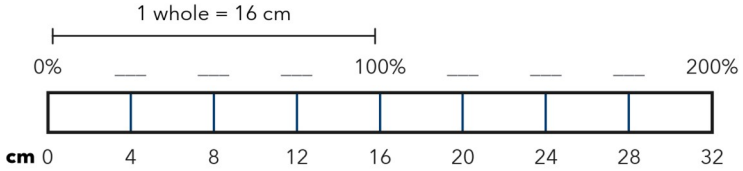
6. **Recipe Tripling.** Rosa triples a muffin recipe. She says the new batch is 3% of the first batch. Correct her claim.

Show your work.

Answer_____ %

7. Bean Plant. A bean plant grew from 16 cm (the whole) to 20 cm. Shade the bar to 20 cm and fill in the blanks. 20 cm is what percent of 16 cm?

Hint *Each part is 4 cm. Four parts make 100%.*



Answer _____ %

8. Plant Growth. A seedling was 9 cm tall in May and 36 cm tall in July.

a. July's height is what percent of May's? _____ %

b. May's height is what percent of July's? _____ %

c. Why is one answer more than 100% and one less than 100%?

_____

_____

FIND THE ERROR

explain the mistake, then fix it

9. Theo's Work. A large pumpkin weighs 18 kg; a small one weighs 12 kg. Theo wrote, "The large pumpkin is 18% of the small one." Explain his mistake and fix it.

_____

_____

TEST PRACTICE

choose the best answer

10. A percent greater than 100% means the amount is ___ the whole.

A less than **B** equal to **C** more than **D** half of

11. 150% of a number is the same as –

A 1.5 times it **B** 15 times it **C** 150 times it **D** 0.15 times it

SELF-CHECK CODE

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

25% S	180% A	170% U	36% X	250% N	400% T	18% Q	85% Z	125% M	80% O

#2	#3a	#3b	#4	#5	#8a	#8b

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