Name_____ Date_____ Period_____

LESSON 4-5 · SESSION 1 · PRACTICE · FORM A

Find the Whole

Learning target – I can find the whole when I know a part and the percent it represents. · 6.AT.4

REMEMBER

- The **whole** is 100%. If the percent is less than 100%, the whole is **greater** than the part.
- Step down to 10%, 5%, or 25%. Then **build up** to 100%.
- Check: the percent of your whole gives back the part.

WORKED EXAMPLE

24 stickers are 40% of a pack. How many stickers are in the pack?

Step 1 40% ÷ 4 = 10%, so 24 ÷ 4 = 6.

Step 2 10% × 10 = 100%, so 6 × 10 = 60.

Step 3 Check: 0.40 × 60 = 24.

Answer 60 stickers

WORDS **part** *(parte)* · **whole** *(entero)* · **double number line** *(doble recta numérica)*

PRACTICE

show your work · label units

1. Find each whole.

a. 9 is 10% of ____

b. 16 is 20% of ____

c. 35 is 50% of ____

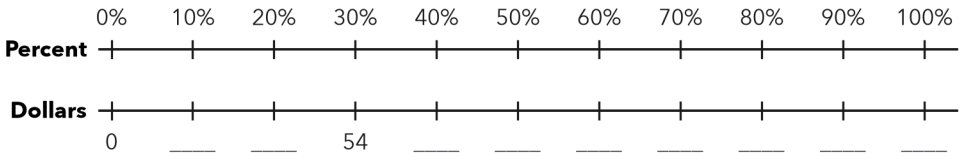
d. 12 is 25% of ____

e. 45 is 90% of ____

f. 28 is 70% of ____

2. **Field Trip Deposit.** A class paid a $54 deposit. That is 30% of the full cost of the trip. Fill in the double number line. Find the full cost.

Hint *30% ÷ 3 = 10%, so divide $54 by 3.*



Full cost_____

3. **Puzzle Pieces.** Nadia has placed 84 pieces. That is 70% of the puzzle.

a. 10% of the puzzle _____

b. Total pieces _____

4. **Water Bottle.** A bottle has 36 mL of water left. That is 15% of the full bottle.

a. 5% of the bottle _____ mL

b. Full bottle _____ mL

5. **Library Books.** A class returned 48 library books. That is 60% of the books it borrowed. Complete the ratio table. How many books did it borrow?

Hint *60% ÷ 6 = 10%, so divide 48 by 6.*

Percent	**60%**	**10%**	**100%**
Books	48		

Answer_____ books

6. **Sale Claim.** A hat sells for $21. That is 70% of its first price. Kip says the first price was $14.70. Is he right?

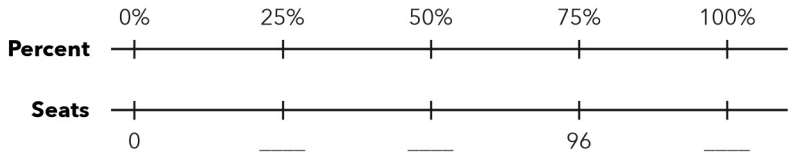
Hint *The first price must be greater than the sale price.*

Show your work.

First price_____

7. Movie Tickets. A theater sold 96 tickets. That is 75% of its seats. Fill in the double number line. How many seats are there?

Hint *75% ÷ 3 = 25%.*



Answer_____ seats

8. Book Fair. A book fair sold 84 books on Friday. That was 28% of the week's total sales.

Hint *28% = 7 × 4%. Find 4% first.*

a. How many books were sold all week? _____

b. How many were sold on the other days? _____

c. Show a one-step check of part a.

Show your work.

FIND THE ERROR

explain the mistake, then fix it

9. Caleb's Work. A jacket is on sale for $36, which is 80% of its first price. Caleb wrote: "First price = 0.8 × 36 = $28.80." Explain his mistake. Then find the first price.

_____

_____

_____

TEST PRACTICE

choose the best answer

10. If 30 is 50% of a number, the number is –

A 15 **B** 60 **C** 80 **D** 1,500

11. If 14 is 25% of a number, the number is –

A 3.5 **B** 39 **C** 56 **D** 350

SELF-CHECK CODE

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

300 G	128 N	$30 I	$16.20 X	72 Z	120 C	240 A	$14.70 Q	$180 S	80 L

#2	#3b	#4b	#5	#6	#7	#8a

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