Name_____ Date_____ Period_____

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

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. 7 is 10% of ____

b. 18 is 20% of ____

c. 42 is 50% of ____

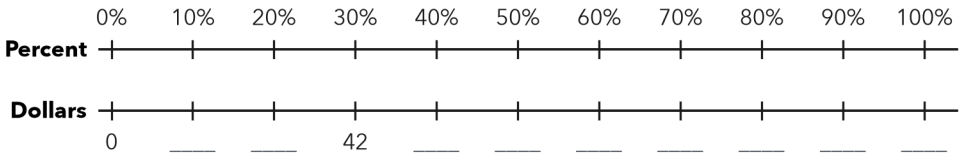
d. 15 is 25% of ____

e. 72 is 90% of ____

f. 21 is 70% of ____

2. **Field Trip Deposit.** A class paid a $42 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 $42 by 3.*



Full cost_____

3. **Puzzle Pieces.** Omar has placed 63 pieces. That is 70% of the puzzle.

a. 10% of the puzzle _____

b. Total pieces _____

4. **Water Bottle.** A bottle has 27 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 42 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 42 by 6.*

Percent	**60%**	**10%**	**100%**
Books	42		

Answer_____ books

6. **Sale Claim.** A cap sells for $28. That is 70% of its first price. Zara says the first price was $19.60. Is she right?

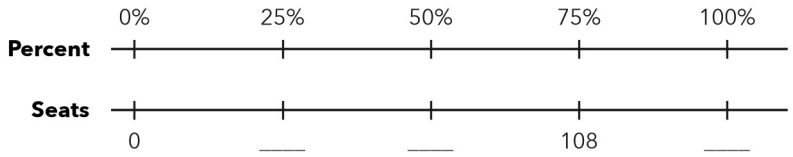
Hint *The first price must be greater than the sale price.*

Show your work.

First price_____

7. Movie Tickets. A theater sold 108 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 72 books on Monday. That was 24% of the week's total sales.

Hint *24% = 6 × 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. Mila's Work. A backpack is on sale for $45, which is 90% of its first price. Mila wrote: "First price = 0.9 × 45 = $40.50." Explain her mistake. Then find the first price.

_____

_____

_____

TEST PRACTICE

choose the best answer

10. If 54 is 90% of a number, the number is –

A 48.6 **B** 60 **C** 64 **D** 540

11. If 20 is 40% of a number, the number is –

A 8 **B** 40 **C** 50 **D** 60

SELF-CHECK CODE

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

$12.60 X	300 T	81 Z	70 C	$19.60 Q	144 N	$40 E	90 E	$140 P	180 R

#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 #____