

For the next 3 questions, draw your own tape diagram to answer.

- 15.) The ratio of the weight of Emily's scooter to the weight of Sally's bicycle is 3:2. Sally's bicycle weighs 30 pounds. How much more does Emily's scooter weigh than Sally's bicycle?

15 pounds

☒ Yes or ☐ No

Emily

15	15	15
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 $45 - 30 = 15$

Sally

15	15
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 $30 \div 2 = 15$

- 16.) The ratio of the length of a rectangle to its width is 6:2. If the length of the rectangle is 12 cm, what is its width?

4 cm

☒ Yes or ☐ No

Length

2	2	2	2	2	2
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 $12 \div 6 = 2$

Width

2	2
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 $2 \cdot 2 = 4$

- 17.) The ratio of Jake's baseball cards to Zack's basketball card is 5:8. If Jake has 35 baseball cards, how many cards do Jake and Zack have altogether?

95 cards

Yes or ☒ No

Jake

7	7	7	7	7
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 $35 \div 5 = 7$

Zack

7	7	7	7	7	7	7	7
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 $7 \times 8 = 56$

$35 + 56 = 91$