| Name: | | | iod: | | #: | | | _ |
|--------------|---|---|-----------|--------|------|------|-----|-----|
| 4.2.1 | Review A | | | 1 | | | | |
| Math | (~ / / === | I can decide whether two quantities are in a proportiona relationship (RP2A) | | 0 | 1 2 | 2 | 3 | 4 |
| Read belo | t each new situation w. | SMP #3 Construct viable arguments and critique the reasoning of others | e | 0 | 1 . | 2 | 3 | 4 |
| | | ne relationship described is proportional or no | n-broi | porti | ona | ıl a | nd | |
| | | epared to share your decisions and justificatio | | | | | | |
| | | new video games. Each game he buys costs him mes Carlos buys and the total price proportional? | \$36. Is | the 1 | elat | tioi | nsh | ıip |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | _ |
| | | | | | | | | |
| | | costs \$56, while buying five tickets costs \$250. Is kets bought and the total price proportional? | the rel | latior | ishi | Þ | | |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | _ |
| | | | | | | | | |
| | 'u is four years older than roportional? | his sister. Is the relationship between Vu and his s | ister's a | age | | | | |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | _ |
| | | | | | | | | |
| | anna runs at a steady pace he ran and the distance sho | of 7 minutes per mile. Is the relationship betweer e covered proportional? | the n | umb | er o | of m | ile | :5 |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | |
| · | · | · | | | | | | |
| t | • | ayer and plans to load 50 songs each week. Is the Carl bought the music player and the number of | | • | | | | 1 |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | _ |
| • | • | | | | | | | |
| S | o much time, Anna under | e. It takes her five hours of playing the game to mestands the game better and it only takes her three is the number of hours played and the game level | e hours | ofp | layi | | | |
| Prop | ortional or Non-Proporti | ional Why? | | | | | | _ |

Check whether the following problems are true proportions and be sure to prove your answer (show all work). Also, state your answer in a complete sentence.

1.
$$\frac{10}{7} = \frac{70}{49}$$

$$2. \quad \frac{3}{12} = \frac{14}{48}$$

3.
$$\frac{9}{20} = \frac{117}{260}$$

2.
$$\frac{3}{12} = \frac{14}{48}$$
 3. $\frac{9}{20} = \frac{117}{260}$ 4. 4. $\frac{135}{120} = \frac{9}{8}$

- o Proportional
- o Proportional o Proportional
- o Proportional

- Non-Proportional
- o Non-Proportional o Non-Proportional o Non-Proportional

2. 0

Solve for x so the following problems are true proportions and be sure to prove your answer (show all work). Also, state your answer in a complete sentence.

5.
$$\frac{18}{5} = \frac{x}{15}$$

6.
$$\frac{a}{4} = \frac{15}{20}$$

Solve the following problems and be sure to prove your answer (show all work). Answer the question the problem asks in a complete sentence.

- 7. If a seven-pound turkey takes four hours to cook, how long will a fourteen pound turkey take to cook?
- 8. An 18-ounce cereal box costs \$3.00. How many ounces should a box priced at \$2.00 cost?