Name

5-9A Lesson Master

SKILLS Objective C

In 1–6, solve the proportion.

1. $\frac{x}{12} = -\frac{7}{8}$

2. $\frac{t}{t+3} = \frac{3}{7}$

3. $\frac{3}{2-r} = \frac{1}{9}$

_____ _____ _____

4. $\frac{5}{-s-1} = \frac{-3}{2s+7}$

5. $\frac{2-y}{3-y} = -\frac{13}{120}$

6. $\frac{-2}{-3m+4} = \frac{16}{m}$

_____ _____ _____

PROPERTIES Objective D

7. If $\frac{32}{x} = \frac{8}{13}$, what does $\frac{x}{32}$ equal?

_____

8. Consider the proportion $\frac{a}{b} = \frac{s}{t}$.

a. Which numbers are the means?

_____

b. Which numbers are the extremes?

_____

USES Objective J

9. Ernest and his brother Logan pooled their money together to buy a video game console. Ernest had $40 more than his brother; their money was in a ratio of 4:3. How much money did they have in all?

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10. Henry put fifteen peanut butter cookies in a jar full of chocolate chip cookies. Later he took ten cookies out of the jar, three of which were peanut butter cookies. Estimate the total number of chocolate chip cookies that were in the jar before Henry took any out.

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11. Horatio can type twice as fast as Portia. If both of them typed for five straight minutes, and Horatio typed 320 more words than Portia, how many words did Portia type?

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12. One pill of the antibiotic Xymetol contains 50 milligrams. How many pills are necessary to get 420 milligrams?

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