Practice with Proportions Using Cross-Multiplication
The first question is solved for you.
Use the same format to solve all the questions.
(There are other ways to solve proportions,
but the purpose of this assignment is to learn this method.)

1. $\dfrac{2}{6} = \dfrac{5}{n}$　　　　　$(6 \times 5) \div 2 = n$
　　　　　　　　　$30 \div 2 = n$
　　　　　　　　　$15 = n$

2. $\dfrac{2}{8} = \dfrac{9}{n}$

3. $\dfrac{2}{3} = \dfrac{12}{n}$

4. $\dfrac{4}{6} = \dfrac{8}{n}$

5. $\dfrac{8}{6} = \dfrac{12}{n}$

6. $\dfrac{n}{6} = \dfrac{5}{4}$

7. $\dfrac{n}{6} = \dfrac{5}{2}$

8. $\dfrac{2}{n} = \dfrac{5}{25}$

9. $\dfrac{4}{n} = \dfrac{2}{7}$

10. $\dfrac{5}{6} = \dfrac{n}{12}$

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1. $\dfrac{2}{6} = \dfrac{50}{n}$ $(6 \times 50) \div 2 = n$
                          $300 \div 2 = n$
                          $150 = n$

2. $\dfrac{12}{8} = \dfrac{90}{n}$

3. $\dfrac{6}{30} = \dfrac{12}{n}$

4. $\dfrac{4}{6} = \dfrac{80}{n}$

5. $\dfrac{18}{6} = \dfrac{12}{n}$

6. $\dfrac{n}{60} = \dfrac{5}{4}$

7. $\dfrac{n}{6} = \dfrac{50}{20}$

8. $\dfrac{20}{n} = \dfrac{10}{25}$

9. $\dfrac{40}{n} = \dfrac{4}{7}$

10. $\dfrac{50}{60} = \dfrac{n}{12}$