Name: _____Date: _____Class Period: _____

Determine whether the ratios are equivalent. Write yes or no.

1. $\dfrac{4}{12} = \dfrac{1}{3}$ _____

7. $\dfrac{15}{50} = \dfrac{12}{40}$ _____

2. $\dfrac{6}{8} = \dfrac{9}{11}$ _____

8. $\dfrac{3}{12} = \dfrac{1}{10}$ _____

3. $\dfrac{20}{24} = \dfrac{10}{12}$ _____

9. $\dfrac{4}{20} = \dfrac{3}{15}$ _____

4. $\dfrac{11}{22} = \dfrac{21}{31}$ _____

10      $\dfrac{8}{14} = \dfrac{12}{21}$ _____

5. $\dfrac{27}{45} = \dfrac{18}{30}$ _____

11. $\dfrac{12}{18} = \dfrac{14}{21}$ _____

6. $\dfrac{28}{32} = \dfrac{7}{8}$ _____

12. $\dfrac{35}{45} = \dfrac{5}{9}$ _____

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes. Write two ratios and use them to find out whether their envelope stuffing rates are equivalent.

_____

14. A 12-ounce jar of olives costs $3.60. A 16-ounce jar costs $4.00. Write two ratios and use them to see whether the prices of the two sizes of olive jars are equivalent.

_____

Find each missing value. You may use any method, but SHOW YOUR WORK!

1. $\dfrac{\blacksquare}{12} = \dfrac{1}{2}$

2. $\dfrac{5}{\blacksquare} = \dfrac{20}{32}$

3. $\dfrac{3}{4} = \dfrac{\blacksquare}{36}$

_____

_____

_____

4. $\dfrac{\blacksquare}{40} = \dfrac{12}{20}$

5. $\dfrac{15}{\blacksquare} = \dfrac{3}{4}$

6. $\dfrac{21}{84} = \dfrac{3}{\blacksquare}$

_____

_____

_____

7. $\dfrac{40}{48} = \dfrac{\blacksquare}{30}$

8. $\dfrac{\blacksquare}{36} = \dfrac{25}{45}$

9. $\dfrac{10}{30} = \dfrac{\blacksquare}{96}$

_____

_____

_____

Write a proportion to solve.

10. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. How many fish are in the tank?

_____

11. One yard is 36 inches. How many inches is $\dfrac{2}{3}$ of a yard?

_____

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2. $\dfrac{6}{8} = \dfrac{9}{11}$ **NO**

8. $\dfrac{3}{12} = \dfrac{1}{10}$ **NO**

3. $\dfrac{20}{24} = \dfrac{10}{12}$ **YES**

9. $\dfrac{4}{20} = \dfrac{3}{15}$ **YES**

4. $\dfrac{11}{22} = \dfrac{21}{31}$ **NO**

10      $\dfrac{8}{14} = \dfrac{12}{21}$ **YES**

5. $\dfrac{27}{45} = \dfrac{18}{30}$ **YES**

11. $\dfrac{12}{18} = \dfrac{14}{21}$ **YES**

6. $\dfrac{28}{32} = \dfrac{7}{8}$ **YES**

12. $\dfrac{35}{45} = \dfrac{5}{9}$ **NO**

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     _____

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      20

     _____

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      12

     _____

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