

Name: _____ Date: _____ Class Period: _____

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

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

6. $\frac{15}{50} = \frac{3}{5}$ _____

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

7. $\frac{3}{12} = \frac{1}{10}$ _____

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

8. $\frac{4}{20} = \frac{3}{15}$ _____

4. $\frac{1}{2} = \frac{2}{3}$ _____

9. $\frac{28}{32} = \frac{7}{8}$ _____

5. $\frac{5}{9} = \frac{35}{45}$ _____

10. $\frac{9}{6} = \frac{6}{4}$ _____

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes.
a. Fill in their ratios in the ratio table.

	Luis	Cheryl
Envelopes	30	
Minutes	6	

b. Are Luis's and Cheryl's envelope stuffing rates equivalent? Yes No

c. **Explain** your answer: _____

14. A 12-ounce jar of pickles costs \$3.60. A 16-ounce jar costs \$4.00.
a. Fill in the ratios in the table.

Cost	3.60	\$4.00
Ounces		

b. Are the rates equivalent? Yes No

c. **Explain** your answer. _____

Name: _____ Date: _____ Class Period: _____

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

1. $\frac{x}{12} = \frac{1}{2}$

2. $\frac{5}{x} = \frac{20}{32}$

3. $\frac{3}{4} = \frac{x}{36}$

4. $\frac{x}{40} = \frac{12}{20}$

5. $\frac{15}{x} = \frac{3}{4}$

6. $\frac{21}{84} = \frac{3}{x}$

7. $\frac{40}{12} = \frac{x}{30}$

8. $\frac{x}{4} = \frac{25}{10}$

9. $\frac{10}{30} = \frac{x}{6}$

Write a proportion to solve.

10. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. Fill in the missing values in the proportion below, and find out how many fish are in the tank.

$$\frac{12}{x} = \frac{\quad}{8}$$

Name: _____ Date: _____ Class Period: _____

There are _____ fish in the tank.

KEY

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

1. $\frac{4}{12} = \frac{1}{3}$

YES

7. $\frac{15}{50} = \frac{12}{40}$

YES

2. $\frac{6}{8} = \frac{9}{11}$

NO

8. $\frac{3}{12} = \frac{1}{10}$

NO

3. $\frac{20}{24} = \frac{10}{12}$

YES

9. $\frac{4}{20} = \frac{3}{15}$

YES

4. $\frac{1}{2} = \frac{2}{3}$

NO

9. $\frac{28}{32} = \frac{7}{8}$

YES _

5. $\frac{5}{9} = \frac{35}{45}$

NO

10. $\frac{9}{6} = \frac{6}{4}$

YES

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes.
a. Fill in their ratios in the ratio table.

	Luis	Cheryl
Envelopes	30	40
Minutes	6	8

- b. Are Luis's and Cheryl's envelope stuffing rates equivalent? **Yes** No

- c. **Explain** your answer: **Both of them have a rate of 5 envelopes per minute.**

14. A 12-ounce jar of pickles costs \$3.60. A 16-ounce jar costs \$4.00.
a. Fill in the ratios in the table.

Cost	3.60	\$4.00
Ounces	12	16

Name: _____ Date: _____ Class Period: _____

b. Are the rates equivalent? Yes **No**

c. **Explain** your answer. **The unit rates are \$0.30 per ounce and \$0.25 per ounce.**

KEY

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

1. $\frac{x}{12} = \frac{1}{2}$

6

2. $\frac{5}{x} = \frac{20}{32}$

8

3. $\frac{3}{4} = \frac{x}{36}$

27

4. $\frac{x}{40} = \frac{12}{20}$

24

5. $\frac{15}{x} = \frac{3}{4}$

20

6. $\frac{21}{84} = \frac{3}{x}$

12

7. $\frac{40}{12} = \frac{x}{30}$

100

8. $\frac{x}{4} = \frac{25}{10}$

10

9. $\frac{10}{30} = \frac{x}{6}$

2

Write a proportion to solve.

10. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. Fill in the missing values in the proportion below, and find out how many fish are in the tank.

$$\frac{12}{x} = \frac{3}{8}$$

There are 32 fish in all.