FACEing MATH® Name: _____

Lesson 5: Ratios & Unit Rate

Directions: ***Solve each problem. Choose the correct answer.***

1. What is the ratio of triangles to circles?

△ △ ○ △ ○

(a) If your answer is **3:2** draw the following eyes & head.

(b) If your answer is **2:3** draw the following eyes & head.

2. What is the ratio of happy faces to hearts?

(a) If your answer is **4/5** draw the following antennae.

(b) If your answer is **5/4** draw the following antennae.

3. What is the ratio of moons to suns?

(a) If your answer is **2 to 1** draw the following body & claws.

(b) If your answer is **1 to 2** draw the following body & claws.

4. At the zoo, Kai noticed the ratio of legs to heads in the aquarium was 4:1. Was he at the octopus or the sea turtle exhibit?

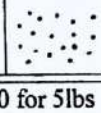
(a) If your answer is **octopus** draw the following mouth.

(b) If your answer is **sea turtle** draw the following mouth.

5. There are 3 boys & 2 girls standing in line. What is the ratio of boys to total students in line?

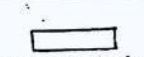
(a) If your answer is **3:2** draw the following sandy bottom.

(b) If your answer is **3:5** draw the following sandy bottom.

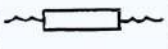


6. Election results for 6th grade President: Ally=50, Ava=150 and Jose=100. What is the ratio of Jose's votes to Ava's votes?

(a) If your answer is **1:3** draw the following wavy ocean.



(b) If your answer is **2:3** draw the following wavy ocean.



7. If Tayler can travel 180 miles in 3 hours, how many miles can she travel per hour?

(a) If your answer is **60** draw the following sign in the claw on the left.

(b) If your answer is **6** draw the following sign in the claw on the left.

8. Jesus paid $2.50 for 5lbs of candy. What is the cost per lb?

(a) If your answer is **$.50** draw the sign in the right claw.

(b) If your answer is **$.05** draw the sign in the right claw.

9. Pineapple costs $1.20 for 4oz. What is the price per ounce?

(a) If your answer is **$.30** write the following vocabulary words in the box.	Unit Rate
(b) If your answer is **$4.80** write the following vocabulary word in the box.	Ratio

Copyright © 2013 by FACEing MATH

Directions: ***Solve each problem and COLOR the object that corresponds with your answer.***

10. Mike paid $12 for 3 hamburgers. How much did each hamburger cost?

(a) If your answer is **$4** outline all the #'s & words in black.

(b) If your answer is **$36** outline all the #'s & words in red.

11. Jamie needs 3 cups of flour & 4 cups of sugar for her recipe. How many cups of sugar will she need if she uses 9 cups of flour?

(a) If your answer is **11** color the antennae & eyelids pink.

(b) If your answer is **12** color the antennae & eyelids brown.

12. Luis makes 3 free throws out of every 7 shots. How many free throws will he make if he shoots 21 times?

(a) If your answer is **6** color the eyes blue.

(b) If your answer is **9** color the eyes green.

13. Find the unit rate.
70 words per 2 minutes

(a) If your answer is **35 wpm** color the mouth pink.

(b) If your answer is **30 wpm** color the mouth black.

14. Find the unit rate.
$1.29 for 3 pens

(a) If your answer is **$.43/pen** color the lobster red.

(b) If your answer is **$.46/pen** color the lobster pink.

15. Find the unit rate.
240 miles in 8 days

(a) If your answer is **40 miles/day** color the sign in the left claw orange.

(b) If your answer is **30 miles/day** color the sign in the left claw purple.

16. Find the unit rate.
$2.10 for 6 oranges

(a) If your answer is **$.35** color the sign in the right claw yellow.

(b) If your answer is **$.45** leave the sign in the right claw white.

17. Which is the better buy?
Store A: $12 for 3 pies or
Store B: $10 for 2 pies

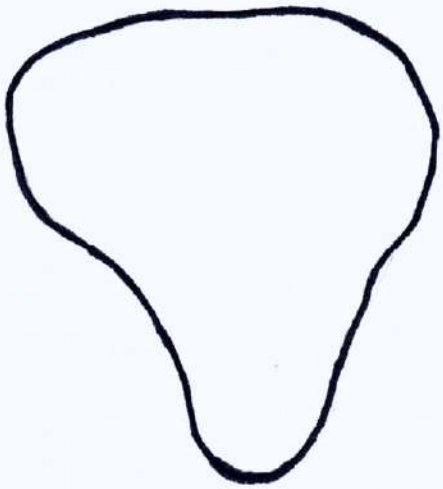
(a) If your answer is **Store A** color the bottom ½ of the ocean brown.

(b) If your answer is **Store B** color the bottom ½ of the ocean yellow.

18. Which is the better buy?
Store A: $1.50 for 5 oz
Store B: $1.20 for 3 oz

(a) If your answer is **Store A** color the top ½ of the ocean blue.

(b) If your answer is **Store B** color the top ½ of the ocean grey.

Artistic Tip: **When you are done coloring, it looks nice to outline the major features using a black crayon or marker.**

Lesson 5 Copyright © 2013 by FACEing MATH