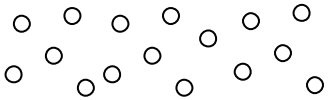
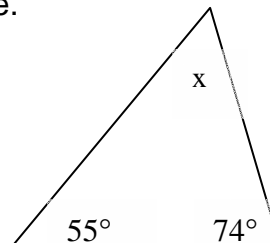


Math 213 Placement Practice Test

- Convert 2.45 to a percentage.
- Give the area of a rectangle which has a width of 15 cm and a perimeter of 42 cm.
- Simplify completely: $3\frac{5}{6} + 11\frac{1}{2} + 7\frac{1}{4}$.
- Simplify completely: $15 + 3 \times (-4)$
- Give the place value of the 7 in 45.037.
- Sarah has 12 cats, 25 fish, and 3 dogs. What is the ratio of dogs to cats?
- Put the numbers in ascending order (least to greatest): $\frac{2}{3}, \frac{5}{11}, \frac{5}{9}$.
- Thirty-two percent of the students at Golf University live in dormitories. If 2000 students live in dormitories, how many students attend Golf University?
- A recipe requires $5\frac{1}{2}$ c. of sugar. If Bob only has $1\frac{2}{3}$ c. of sugar, how much more sugar does he need for the recipe?
- There are 17,386 undergraduate students at Bowling Green State University. How many students is this rounded to the nearest thousand?
- $2.005 \times 1.3 =$
- Give the next number in the sequence: 5, 15, 45, 135, . . .

13. If  = 1, how many circles would it take to show $\frac{5}{8}$?

- What improper fraction is equal to $13\frac{7}{9}$?
- Find the angle measure of x in the triangle.



- Give the perimeter of a regular hexagon that has a side length of 12 cm.
- Corey has five people in his family: Jesse, Jaime, Lindsay, Hunter, and Galen. If he puts all five of their names in a sack and selects one name without looking, what is the probability that he has chosen Lindsay?
- Solve for x: $5 + 3(x - 1) = 17$.
- If two lines are perpendicular to each other, what is the measure of the angle formed by the lines?
- T'nesha and Taylor began saving money at the same time. T'nesha plans to save \$5.00 per month and Taylor plans to save \$3.00 per month. After how many months will T'nesha have exactly \$10.00 more than Taylor?
- What is the remainder when 572 is divided by 6?

22. Simplify completely: $\frac{66}{110}$.

23. $45.0012 + 0.05 =$

24. $^{-}4 + ^{-}8 =$

Questions 25 and 26 refer to Jenna's class. She has 271 stickers to give equally to her 23 students.

25. How many stickers will each student get?

26. How many stickers will be left?

27. Convert $\frac{3}{8}$ to a decimal.

28. Fred runs $4\frac{3}{4}$ miles every day. How far has Fred run after 6 days?

29. Give the decimal halfway between 3.2 and 2.26.

30. Jane has twice as many quarters as she has nickels. If she has 76 quarters, how many nickels does she have?