Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Saxon Math Course 2 Lessons 16-20

Study Guide for Test 4 due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Test 4 due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Focus Statement** ( Lesson 16) - It is important to know various units of measure.

U.S. Cus to mar y Sys tem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

|  |
| --- |
| Units of Weight  \_\_\_\_\_ ounces (oz) = \_\_\_\_\_ pound (lb)  \_\_\_\_\_ pounds = \_\_\_\_\_\_ ton (tn) |

Suppose a pickup truck can carry a load of ½ of a ton. How many pounds can the pickup truck carry?

|  |
| --- |
| Units of Length  \_\_\_\_\_\_ inches (in.) =\_\_\_\_\_\_ foot (ft)  \_\_\_\_\_\_ feet = \_\_\_\_\_\_ yard (yd)  \_\_\_\_\_\_ yards = \_\_\_\_\_\_ mile (mi)  \_\_\_\_\_\_ feet =\_\_\_\_\_ mile |

One yard is equal to how many inches?

Why is it important to know different units of measure?

|  |
| --- |
| Units of Liquid Measure  \_\_\_\_\_\_ ounces (oz) =\_\_\_\_\_ cup (c)    \_\_\_\_\_\_ cups = \_\_\_\_\_ pint (pt)    \_\_\_\_\_ pints =\_\_\_\_\_ quart (qt)    \_\_\_\_\_ quarts = \_\_\_\_\_ gallon (gal) |

How many cups in 3 pints?

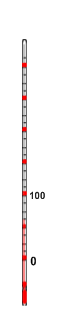
How many pints in 2 quarts?

Steve drinks at least 8 cups of water every day. How many quarts of water does he drink a day?

Put the following temperatures on the thermometer.

water boils water freezes room temperature

normal body temperatures



func tion\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

How do function tables help us?

|  |  |
| --- | --- |
| Input  Pounds | Output  Ounces |
| 1 | 16 |
| 2 | 32 |
| 3 | 48 |
| 4 | 64 |
| 5 | 80 |

Label in the appropriate columns x and y.

Describe the rule of this function in words **and** in terms of x and y.

Mattie weighed 7 pounds when she was born. Use the function rule to find how many ounces Mattie weighed when she was born.

Complete the **Written Practice**, pages 111-113 due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**COPY AND COMPLETE REVIEW PROBLEMS FROM THE BOARD.**

**Focus Statement** (lesson 17) – the angular world we live in

de grees\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

pro trac tor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

Use a protractor to measure the angles on a handout. (see teacher)

Use your protractor to draw each of these angles:

a. 45° b. 120° c. 100° d. 80°

Complete the **Written Practice**, pages 118 – 119, 1-30 due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**COPY AND COMPLETE REVIEW PROBLEMS FROM THE BOARD.**

**Focus Statement** (lesson 18) – What makes a polygon, a polygon?

pol y gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

tri an gle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

quad ri la ter al \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

pen ta gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

hex a gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

hep ta gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

oc ta gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

non a gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

dec a gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

do dec a gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Polygon | Number of Sides | Name of Polygon | Number of Sides |
| Triangle |  | Octagon |  |
| Quadrilateral |  | Nonagon |  |
| Pentagon |  | Decagon |  |
| Hexagon |  | Undecagon |  |
| Heptagon |  | Dodecagon |  |

ver tex\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

re gu lar pol y gon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

Regular and Irregular Polygons

|  |  |  |
| --- | --- | --- |
| Type | Regular | Irregular |
| Triangle |  |  |
| Quadrilateral |  |  |
| Pentagon |  |  |
| Hexagon |  |  |

sim il ar\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

con gru ent\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

cor re spond ing parts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

Which angle in triangle ABC corresponds to angle FGH?

Complete the **Written Practice**, pages 124- 127, 1-30 due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**COPY AND COMPLETE REVIEW PROBLEMS FROM THE BOARD.**

**Focus Statement** (lesson 19) – A quick review of perimeter and its formula

per i me ter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

What is the perimeter of this rectangle?

3 ft.

12 ft.

Using L for length and W for width, write the formula for perimeter two different ways.

How can we use S for side to write the formula for the perimeter of a square?

What would be the formula for finding the perimeter of a regular hexagon?

How can you find the perimeter of an irregular shape?

Complete the **practice** set page 131, a-g (option ws) due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**COPY AND COMPLETE THE REVIEW PROBLEMS ON THE BOARD.**

**Focus Statement** (lesson 20) – How do exponents and square roots related?

ex po nent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

ex po nen tial ex pres sion \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

Show what each expression means and simplify.

4²

2³

(⅖)²

4² - 2³

Find the missing exponent in each equation:

2³ ∙ 2² = 2ᵗ

2⁶ = 2ᵗ

2²

area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

What is the formula for the area of a rectangle?

What is the formula for the area of a square?

Find the area of this rectangle. 2 ft.

5 ft.

Dickerson Ranch is a level plot of land 4 miles square. The area of Dickerson Ranch is how many square miles?

square root \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

121 8²

How are squaring and square root related?

Complete the **written** practice pages 140-142, 1-30 due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Test 3 date** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_