

# 7TH GRADE MATH

## SUMMER PREP PACKET

### COMPOSITE AREA

Find the area of each figure.

Inches:



Feet:



Centimeters:

Inches:

### SOLVING EQUATIONS

Solve each equation. Show your work.

$$3x = 15$$

$$\frac{x}{3} = 45$$

$$x - (-8) = 4$$

$$9 + x = 2$$

$$-2 + x = -3$$

$$-x = 24$$

### BOX PLOTS

Read each problem carefully.

Problem 1: A class of 25 students was given a quiz.

Here are the scores:

9, 8, 7, 10, 8, 9, 7, 7, 6, 9, 10, 10, 8, 8



Problem 2: A class of 25 students was given a quiz.

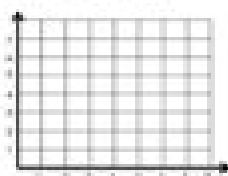
Here are the scores: 5, 16, 14, 15, 16, 17, 14, 14, 16, 19, 12, 14, 17



### COORDINATE PLANES

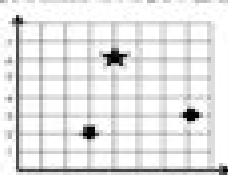
Plot the following points.

(2, 3)  
(4, 1)  
(6, 5)  
(4, 5)



If you start at point (2, 3) and move right 3, then up 5, where do you end up?

Which shape is closest to the point (2, 5)?



What shape is at (6, 7)?



### DIVIDING FRACTIONS

Find each quotient.

$$\frac{2}{5} \div 8$$

$$\frac{5}{6} \div 4$$

$$\frac{7}{8} \div 2$$

$$\frac{9}{10} \div 4$$

$$3\frac{1}{2} \div 5$$

$$6\frac{1}{5} \div 2$$

$$9\frac{1}{3} \div 3$$

$$5\frac{2}{5} \div 2$$

$$5\frac{1}{2} \div \frac{3}{5}$$

$$\frac{7}{10} \div \frac{1}{3}$$

$$10\frac{1}{4} \div \frac{2}{5}$$

$$\frac{11}{12} \div \frac{1}{6}$$

### FRACTION WORD PROBLEMS

Read each problem carefully.

Problem 1: A class of 25 students was given a quiz. Here are the scores: 9, 8, 7, 10, 8, 9, 7, 7, 6, 9, 10, 10, 8, 8

Ben brought  $8\frac{1}{2}$  pounds of meat to a party. Ryan brought an additional  $2\frac{1}{2}$  pounds. How much meat was brought to the party?

Problem 2: A class of 25 students was given a quiz. Here are the scores: 5, 16, 14, 15, 16, 17, 14, 14, 16, 19, 12, 14, 17

A recipe calls for  $3\frac{1}{2}$  cups of sugar. How much sugar will be needed if the recipe is doubled?

Problem 3: A class of 25 students was given a quiz. Here are the scores: 9, 8, 7, 10, 8, 9, 7, 7, 6, 9, 10, 10, 8, 8

Ben brought  $8\frac{1}{2}$  pounds of meat to a party. Ryan brought an additional  $2\frac{1}{2}$  pounds. How much meat was brought to the party?

Problem 4: A class of 25 students was given a quiz. Here are the scores: 5, 16, 14, 15, 16, 17, 14, 14, 16, 19, 12, 14, 17

A recipe calls for  $3\frac{1}{2}$  cups of sugar. How much sugar will be needed if the recipe is doubled?



# Summer Packets For 7th Grade

**D Keegan**



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