

Grade 8

Math

Homework

Test Prep

Packet #2

Student's Name

Parent's / Guardian's Signature

Test –Taking Strategies for Students

Multiple Choice Questions

- Read all directions carefully.
- Underline important words or phrases.
- Cross out answer choices you know are wrong
- Do not spend too much time on any question.
If a question is difficult, skip it and go back to it later.
- Be careful to mark each answer in the right place.
- If you want to change your answer, mark a X over the incorrect answer and then fill in the correct answer.
- Be sure to have an answer for each question.

Extended Response Items

- Read each question carefully and think about the answer before writing your response.
- Be sure to answer the question being asked.
- Be sure to write your answer on the line.
- Use pictures or diagrams to help you solve a problem.
- Use numbers and words when asked to explain your answer.
- Use your protractor or ruler if required to answer a question.
- Use your calculator to help you solve the problems.
(Grade 7 & 8 only)
- Keep your paper neat and organized.
- Be sure to show your work when asked, you may receive partial credit.

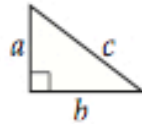


This picture means that you will use your ruler.

Mathematics Reference Sheet

FORMULAS

Pythagorean Theorem



$$c^2 = a^2 + b^2$$

Simple Interest

$$I = prt$$

Distance Formula

$$d = rt$$

CONVERSIONS

Temperature Conversions

$$F = \frac{9}{5}C + 32$$

$$C = \frac{5}{9}(F - 32)$$

Measurement Conversions

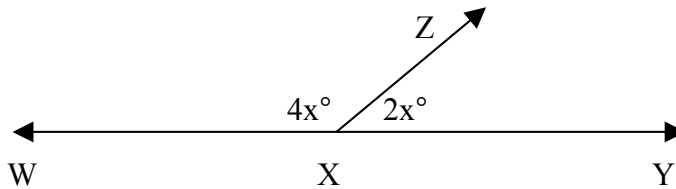
$$1 \text{ mile} = 5,280 \text{ feet}$$

$$1 \text{ yard} = 3 \text{ feet}$$

Read each question carefully and think about the answer before choosing your response.

1. About four-fifths of the students at Cameron Middle School participate in after-school activities. About what percent do **not** participate?
A 20%
B 25%
C 45%
D 80%

2. In the diagram below, \overleftrightarrow{WY} intersects \overleftrightarrow{XZ} at point X.



What is the measure of $\angle YXZ$?

- A** 30°
B 60°
C 110°
D 120°
3. Which equation expresses the relationship between x and y shown in the table?

X	0	1	3	7	11
Y	0	-3	-9	-21	-33

- A** $x = 3y$
B $x + y = 3$
C $x + y = -3$
D $y = -3x$

Read each question carefully and think about the answer before writing your response. Be sure to show your work when asked.

4. What is the greatest common factor (GCF) of $24y$ and $(4y^2 + 12y)$?

Show your work

Answer _____

5. Fill in the table with three coordinate pairs that satisfy the equation. Then graph the equation on the grid.

$$y = 2x + 4$$

X	Y

