



Math Course Two

Lions on the Loose

Summer Math Review Packet

(For Students that have Completed Math Course Two)



St. Luke Middle School Lions on the Loose Summer Math Review Packet



Dear St. Luke Student,

Your middle school math teacher is looking forward to teaching you many math concepts next school year. In preparation for a successful year, you must study the objectives and complete problems included in this packet. The objectives in the packet are those which you should have mastered in your 2008-2009 math class. We encourage you to work each problem with great effort and perhaps study your multiplication tables on a regular basis this summer.

The following procedures should be used for completing your summer math packet:

1. Complete all **even numbered problems** for each of the objectives on loose-leaf notebook paper using pencil. Your work should be organized by objective and placed in a paper notebook with brads and pockets. Please place this summer packet in the pocket of the notebook. Make sure your name is written in ink on both the folder and the math packet.
2. Show all of your work for each even numbered problem. Draw a box or a circle around your final answer. Make an answer column on the right hand side of your notebook paper with your final answers to the assigned problems.
3. Your notebook will be graded for effort and will serve as a significant homework grade(s) for your math class for the first nine week grading period. There will be a grade deduction for incomplete work. After a week or two of reviewing the problems in the packet, a multiple choice assessment drawn directly from the assigned (even numbered) problems will be given. This assessment will serve as a test grade for the first nine week grading period.
4. Your summer math review packet is due on St. Luke's registration day, August 6, 2009. The same due date as your other Lions on the Loose assignments.

Should you have any questions regarding your math packet, please email Mrs. Oliver at joliver@stlukeum.com (6th grade Math teacher) or Mrs. Pound at bpound@stlukeum.com (6th grade Math Course Two teacher).

Sincerely,

The St. Luke Middle School Math Teachers

Math Packet Sample Work Page – Notebook Paper

Name

Objective Title – example: 1-4 Order of Operations

Answers

2.

4.

6.

8.

10.

Show your work
here.

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Selected Answers

Your problems and answers on loose-leaf notebook paper.

Selected Answers

1-2 Order of Operations

1. addition
5. multiplication
9. 7
13. 8
17. 40

1-3 Integration: Algebra Variables and Expressions

1. 8
5. 14
9. 9
13. 42
15. 2

1-4 Integration: Algebra Powers and Exponents

1. $7 \times 7 \times 7 \times 7$
5. $9 \times 9 \times 9$
9. 5^3
13. 64
17. 32
19. 256

1-5 Integration: Algebra Solving Equations

1. 32
5. 12
9. 12
13. 9

1-7 Integration: Geometry Area

1. 84 cm^2
3. 84 mm^2
7. 315 ft^2
9. 10 m^2

2-1 Comparing and Ordering Decimals

1. $0.27 < 0.29$
5. $1.042 < 1.305$
9. $>$
13. $<$
15. $=$
19. $0.40 < 0.80$
23. $0.82, 0.92, 1.2$
27. $2.1, 3.46, 7.9, 9.87$

2-4 Multiplying Decimals

1. 5.6
5. 0.732
9. 0.0854
11. 0.387
13. 15.66

2-6 Dividing Decimals

1. $34 \div 11$
5. $56.75 \div 68$
9. 430
11. 12

15. 8.5

17. 42.1

4-2 Prime Factorization

1. Composite

3. Prime

5. Composite

9. $2 \times 5 \times 7^2$

11. $3 \times 5 \times 7 \times 11$

4-7 Fractions, Decimals, and Percents

1. 56%

5. 812%

9. $\frac{15}{100} = \frac{3}{20}$

11. $0.54 = \frac{54}{100} = \frac{27}{50}$

4-8 Integration: Probability Simple Events

1. $\frac{1}{2}$

5. $\frac{1}{2}$

7. $\frac{2}{11}$

9. $\frac{5}{11}$

11. $\frac{9}{11}$

5-3 Integration: Geometry The Coordinate System

1. (-4,2)
3. (3, 3)
5. (-4, -2)
7. (3, 0)

7-3 Adding and Subtracting Mixed Numbers

1. 7
5. 5
9. 10
13. $10 \frac{1}{2}$
17. $29 \frac{13}{30}$

7-4 Multiplying Fractions and Mixed Numbers

1. $\frac{1}{6}$
5. $1 \frac{1}{2}$
9. 9
13. $\frac{2}{3}$
15. $1 \frac{1}{3}$

7-6 Integrating: Geometry Perimeter

1. 68 ft
5. $10 \frac{1}{2}$ yd
9. 51 yards

7-9 Dividing Fractions and Mixed Numbers

1. $\frac{11}{6}$

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

9. $\frac{1}{9}$

11. $\frac{1}{2}$

15. $2\frac{8}{21}$

10-3 The Pythagorean Theorem

1. 17 m

5. 12.2 in

7. 16 cm

9. yes

11. yes

10-5 Area of Triangles and Trapezoids

1. 100 in^2

5. 1.7 m^2

7. 30 m^2

9. 70.4 cm^2