

GRADE 8 MATHEMATICS - Assignments for September 26-30

When you report to your first Math class, you must hand in a set of completed (pen and paper) worksheets for each of the following topics plus a one-paragraph (10 lines) self-reflection journal entry.

Objectives:

- Refresh skills previously learned
- Consolidate prior knowledge
- Identify areas that need attention
- Self-assessment (Tell us about any problem areas)

Resources:

Internet access
Paper
Pencil

Directions:

Visit the lesson websites for each of the worksheet topics. Complete the worksheet problems as directed on separate sheet of paper or on a printout of the worksheet. Follow instructions and show your work.

Worksheet topics (one set per day):

1. **Basic Proportions**
Lesson: <http://www.algebrahelp.com/lessons/proportionbasics/>
Worksheet: <http://www.algebrahelp.com/worksheets/view/proportionbasics.quiz>
(#1-10)
2. **Basic Equations**
Lesson: <http://www.algebrahelp.com/lessons/equationbasics/>
Worksheet: <http://www.algebrahelp.com/worksheets/view/equationbasics.quiz>
3. **Fraction Decimal Percentage Representations**
Lesson: <http://www.purplemath.com/modules/percents.htm>
<http://www.youtube.com/watch?v=LXIS-7rQc74>
Worksheet: Page 2 of this document
4. **Order of Operations**
Lesson: http://www.mathgoodies.com/lessons/vol7/order_operations.html
Worksheet: Page 3 of this document
5. **Signed numbers**
Lesson: <http://www.youtube.com/watch?v=27CJH60xwuA>
Worksheet: <http://www.funmaths.com/worksheets/downloads/ws0129.pdf>

Fraction, Decimal, and Percentage Representations

Write each as a decimal. Round to the thousandths place.

1) 90%

2) 30%

3) 115.9%

4) 9%

5) 7%

6) 65%

7) 0.3%

8) 445%

Write each as a percent. Round to the nearest tenth of a percent.

9) 0.452

10) 0.006

11) 0.02

12) 0.05

13) 4.78

14) 0.1

15) 3.63

16) 0.0003

Write each as a fraction.

17) 25%

18) 70%

19) 12.5%

20) 200%

21) 5%

22) 150%

Order of Operations

Directions: On the bottom and back of this sheet, please complete all problems. Any decimals should be expressed as fractions or mixed numbers. Please show your steps.

1. $8 - 7 - 7$

4. $6 \times 5 \div 5 \div 6$

7. $6 + 2 - 7 \div 7 \times 4$

10. $5 \div 1 \times 1 - 3$

13. $7 - 7 + 7 \times 3$

16. $6 - 7 \div 3$

19. $1 \times 9 \div 8 \div 6$

22. $5 \div 7 \div 8 - 9 \div 3$

2. $6 \times 6 - 8 - 9 - 9$

5. $3 - 2 - 3 \times 4$

8. $2 + 5 \times 3$

11. $9 - 5 - 4$

14. $5 \times 8 \times 6 + 1 \div 5$

17. $6 - 6 + 1$

20. $4 \times 3 \times 2 \times 2 - 7$

23. $6 \times 8 + 9 - 3$

3. $2 \div 4 - 5 \times 6 \div 6$

6. $3 \times 7 + 9 + 6$

9. $9 - 5 \times 7 + 2 \div 9$

12. $1 \div 8 \div 8 - 4 - 9$

15. $6 - 6 - 3 \div 8 \times 8$

18. $2 + 8 \div 8 \times 3 + 2$

21. $9 - 1 \times 3$

24. $6 + 7 \div 1 + 9$