

Contents

<i>Section One</i>	Page
Introduction	
Before You Start	5
Readiness Evaluation	6
Preparing a Lesson	13
Scope & Sequence	17
Where to Use Mathematics Worksheets	20
Appearance of Concepts	22
 <i>Section Two</i>	
Teacher's Lessons (1–160)	39
 <i>Section Three</i>	
Answer Keys (Lessons 1–160)	229
Test Keys (Tests 1–16)	297
 <i>Section Four</i>	
Worksheets (1–80)	307
Worksheet Answer Keys	389
 <i>Section Five</i>	
Quarter Tests	405
Final Exam	422
Test Keys	429

Count each individual answer as a separate point. The total for the test is 81 points. The student should achieve a score of 57 or more points to be ready to begin fifth grade. Be sure to note the areas of weakness even for those who score over 57 points.

1. \$6.02; \$1.19; \$7.89; \$2.37; \$5.18

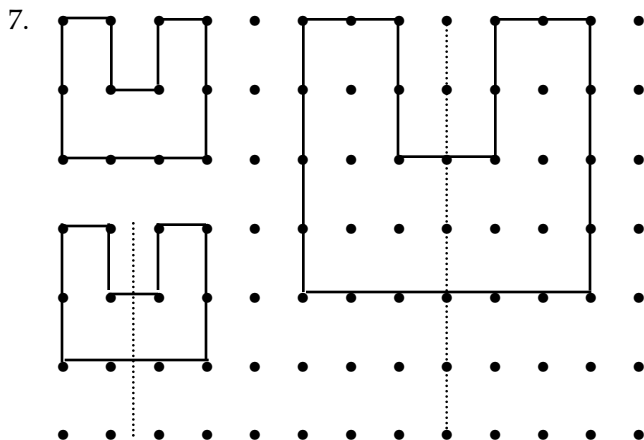
2. 70; 90; 10; 20; 40

3. Tami

4. 1. j
2. i
3. b
4. h
5. m
6. g
7. c
8. l
9. d
10. a
11. k
12. o
13. e
14. f
15. n

5. 1. $\angle RXS, \angle XSQ$
2. $\angle RXQ, \angle RXP$
3. \overleftrightarrow{PQ} and \overleftrightarrow{AB}
4. \overleftrightarrow{AB} and \overleftrightarrow{CD} or \overleftrightarrow{PQ} and \overleftrightarrow{RX}

6. 1. Circle X
2. 2 cm
3. 2 cm
4. CD
5. 8 cm



8. Figure A – perimeter 60 in; area 200 in²
Figure B – 24 cm³

9. 27; 42; 48; 81

10. $\frac{3}{5} = 1$; $\frac{4}{10} = \frac{2}{5}$; $\frac{6}{12} = \frac{1}{2}$
 $\frac{7}{7}$; $\frac{13}{14}$; $\frac{13}{9} = 1\frac{4}{9}$

11. $\frac{4}{8} = \frac{1}{2}$; $\frac{10}{15} = \frac{2}{3}$; $\frac{8}{10} = \frac{4}{5}$
 $\frac{8}{12} = \frac{2}{3}$; $\frac{7}{12} = \frac{3}{4}$; $\frac{11}{15}$

12. $8\% = 8\frac{1}{2}$; $28\frac{5}{7}$; $\frac{3}{6} = \frac{1}{2}$;
 $10\frac{1}{12} = 10\frac{1}{3}$; 16

13. > = < =

14. 53.244; 698.022; 1.132; 6.82

15. 89.0; 7,889
0.587; 85,400
656,000; 700.1

1 Complete the place value chart.

	Billions			Millions			Thousands			Units		
	hun-dreds	tens	ones	hun-dreds	tens	ones	hun-dreds	tens	ones	hun-dreds	tens	ones
43,702,000,120		4	3	7	0	2	0	0	0	1	2	0
6,750,100												
300,008,946												
250,665,000,000												
7,000,000,000												
600,200,800,100												
625,480,750												
3,500,000,000												
525,000,000,525												
72,000,000,000												
450,000,608												
_____						4	4	2	8	0	0	0
_____				2	8	3	0	0	0	0	0	0
_____					2	7	5	0	0	0	8	0
_____			1	0	2	1	6	5	0	0	2	3
_____				4	9	5	2	0	0	5	0	0
_____					5	3	7	0	0	6	5	0
_____	4	2	8	0	0	0	0	0	0	0	0	0
_____		1	7	5	0	0	0	0	0	0	0	0
_____	2	5	6	4	3	3	5	2	5	7	8	1
_____		9	0	0	0	0	5	0	0	0	0	0

1

Correct the mismatched labels.

Hint: Not all of the labels are mismatched!

$$\begin{array}{rcccl} 25 & + & 14 & = & 39 \\ \text{Addend} & & \text{Sum} & & \text{Addend} \end{array}$$

$$\begin{array}{rcccl} 98 & - & 20 & = & 78 \\ \text{Subtrahend} & & \text{Minuend} & & \text{Difference} \end{array}$$

$$100 - 0 = 100 \qquad 15 - 0 = 15$$

Order Property of Subtraction

$$4 \times 5 = 20 \qquad 5 \times 4 = 20$$

Order Property of Multiplication

$$9 \times 8 = 72 \qquad 72 \div 8 = 9$$

Division "Undoes" Multiplication

$$(9 \times 9) \times 1 = 81 \qquad 9 \times (9 \times 1) = 81$$







Order Property of Division

2

Solve.

$$21 - (3 \times 4) = \underline{\hspace{2cm}} \qquad 15 + (50 \div 2) = \underline{\hspace{2cm}} \qquad (64 \div 8) - 3 = \underline{\hspace{2cm}}$$

$$8 \times (4 + 10) = \underline{\hspace{2cm}} \qquad (19 - 4) + 7 = \underline{\hspace{2cm}} \qquad (49 \div 7) \times 3 = \underline{\hspace{2cm}}$$

- 5. Isosceles - i. 
- 6. Pentagon - d. 
- 7. Hexagon - b. 
- 8. Chord - f. 
- 9. Octagon - g. 
- 10. Prism - a. 

2. 1. 18 cm^2
 2. 12 cm^2
 3. Front $\frac{18 \text{ cm}^2}{2} \times 2 = 36 \text{ cm}^2$
 Top $\frac{24 \text{ cm}^2}{2} \times 2 = 48 \text{ cm}^2$
 Side $\frac{12 \text{ cm}^2}{2} \times 2 = 24 \text{ cm}^2$
 Total 108 cm^2

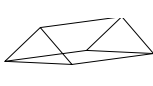


3. $\frac{15}{16}$ $2\frac{5}{8}$ $6\frac{8}{9}$ $14\frac{17}{24}$
 $20\frac{26}{21} = 21\frac{5}{21}$ $17\frac{10}{8} = 18\frac{2}{8} = 18\frac{1}{4}$
 $102\frac{67}{40} = 103\frac{27}{40}$
 $128\frac{12}{9} = 129\frac{3}{9} = 129\frac{1}{3}$

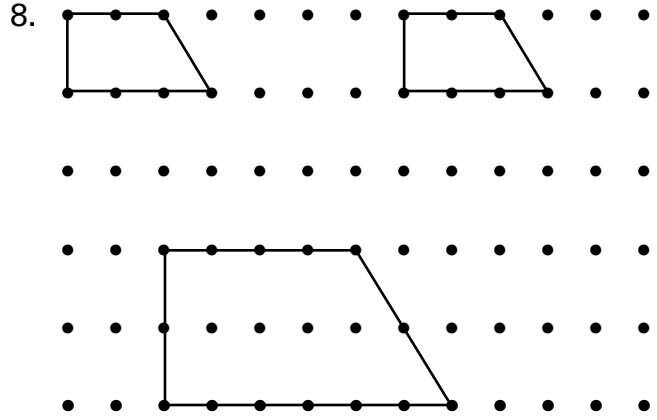
4. 21 9 20 36

5. $\frac{12}{35}$ $\frac{25}{96}$
 $\frac{28}{27} = 1\frac{1}{27}$ $\frac{55}{8} = 6\frac{7}{8}$
 $\frac{7}{12}$ $\frac{6}{5} = 1\frac{1}{5}$
 $\frac{18}{2} = 9$ $\frac{4}{45}$

6. 1. \overline{XY}
 2. \overline{AB}
 3. \overline{TX} or \overline{TY}
 4. 3 cm

7.

			
Name of Figure	Triangular prism	Hexagonal pyramid	cube
Faces	5	7	6
Edges	9	12	12
Vertices	6	7	8



Quarter Test 4

1.

Fence posts	5	10	15	20	25	30
Fence row	1	2	3	4	5	6

Water	1	2	3	4	5	6
Dough Mix	3	6	9	12	15	18

2. >
 <
 =
 =
 <
 <
 >

3. 17 136 101 9,002 577
 143.11 14.92 1486.81 104.11 5.44
 53.4 2.43 0.66 54.18 30.66

4. 29.13 116.11 31.56 24.475

5. $\frac{3}{20}$ $\frac{1}{5}$ $\frac{3}{4}$
 $\frac{1}{10}$ $\frac{3}{10}$ $\frac{1}{2}$