

4. 9; 11; 16; 15; 8  
3; 6; 0; 9; 7

5. 2; 2; 4  
1; 8; 1  
2; 2; 2

6.  $\textcircled{8}$ ; 10; 15;  $\textcircled{15}$ ;  $\textcircled{10}$   
 $\textcircled{6}$ ;  $\textcircled{8}$ ;  $\textcircled{4}$ ; 9;  $\textcircled{9}$   
 $\textcircled{10}$ ; 6;  $\textcircled{10}$ ; 12;  $\textcircled{16}$   
ALWAYS PASS

7. The number shaded should read 170.

**Lesson 4**

1. 8; 6; 4; 5; 2; 1  
9; 3; 10; 5; 11; 3  
9; 2; 7; 9;

2. 7, 7; 5, 5  
1, 5, 1, 10, 0  
It is impossible to divide any number by 0.

3.  $\frac{2}{3}$ ;  $\frac{5}{6}$ ;  $\frac{4}{7}$ ;  $\frac{5}{8}$ ;  $\frac{1}{4}$

4. right angle  
obtuse angle  
acute angle  
right angle  
acute angle

5. MATH

**Lesson 5**

1. 13; 8  
13; 7

2. 12; 2; 5; 10; 10

3. 9 = multiplicand  
 $\times 9$  = multiplier  
81 = product  
63; 56; 20; 12; 32; 54  
12; 28; 12; 4; 20; 63; 18; 30

4. \$1.68  
\$7.75  
\$3.34  
\$4.50

5. 7; 4; 5; 9; 6  
5; 5; 4; 4; 3

6. Starting at top in clockwise direction:  
14; 17; 16; 12  
11; 12; 14; 15

7. 6; 36; 24  
7; 18; 72

8. triangle; hexagon; pentagon  
square; decagon

**Lesson 6**

1. 5; 23; 0  
84; 11; 7  
56; 12; 14

2.  $(35 \div 7) + 49 = 54$   
 $4 \times (8 + 12) = 80$   
 $(15 - 7) \times 2 = 16$   
 $(29 + 3) \div 4 = 8$   
 $17 + (18 - 5) = 30$  or  $(17 + 18) - 5 = 30$   
 $(16 - 6) + 4 = 14$

3. 8; 15; 14

4. 4 = divisor  
3 = quotient  
12 = dividend; 3; 9; 4; 9  
7; 8; 4; 8; 5

5. 9 = multiplicand  
 $\times 4$  = multiplier  
36 = product 63; 18; 81; 72  
9; 54; 0; 45; 90

6. 10; 45; 10; 42; 16

7. octagon; hexagon; pentagon;  
decagon; square

8.  $\overleftrightarrow{AB}$

$\overline{AB}$

$\vec{AB}$



**Lesson 7**

1.  $n = 10$  Check:  $10 + 39 = 49$   
 $n = 133$  Check:  $133 + 41 = 174$   
 $n = 24$  Check:  $24 + 73 = 97$   
 $n = 76$  Check:  $76 + 15 = 91$   
 $n = 83$  Check:  $83 + 96 = 179$   
 $n = 11$  Check:  $11 + 38 = 49$

2. 3; 40; 4  
91; 40; 9 A CLOCK

3. 27; 6; 14

4. 8; 7; 2; 6  
7; 8; 7; 5

5.  $\frac{1}{2}$ ;  $\frac{1}{2}$ ;  $\frac{2}{7}$ ;  $\frac{1}{3}$   
 $\frac{1}{2}$ ;  $\frac{1}{2}$ ;  $\frac{5}{9}$ ;  $\frac{7}{9}$

6. similar: b and h; c and f  
congruent: a and e; d and g

7. 2 gallons; 5 pints; 10 pints  
8 pints; 1 gallon; 12 quarts

**Lesson 8**

1.  $n = 89$  Check:  $89 - 11 = 78$   
 $n = 212$  Check:  $212 - 31 = 181$   
 $n = 190$  Check:  $190 - 3 = 187$   
 $n = 106$  Check:  $106 - 75 = 31$   
 $n = 145$  Check:  $145 - 126 = 19$   
 $n = 337$  Check:  $337 - 238 = 99$

2.  $n = 65$ ;  $n = 865$ ;  $n = 1$   $n = 306$

3.  $(45 \div 9) + 4 = 9$ ;  $2 \times (8 + 16) = 48$   
 $(34 - 2) \times 2 = 64$ ;  $(9 + 3) \div 4 = 3$   
 $7 + (20 - 5) = 22$ ;  $(46 - 24) + 6 = 28$   
or  $(7 + 20) - 5 = 22$

4. 53; 33; 27

5.  $\frac{1}{2}$ ;  $\frac{1}{3}$ ;  $\frac{1}{3}$ ;  $\frac{1}{5}$ ;  $\frac{1}{4}$   
 $\frac{1}{10}$ ;  $\frac{1}{7}$ ;  $\frac{1}{2}$ ;  $\frac{3}{8}$ ;  $\frac{1}{4}$

**RATTLESNAKE**

6. Answers will vary.

7. 2; 3; 4  
72; 3,520; 72

**Lesson 9**

1. 1. 20 miles  
2. 3,520 miles  
3. 3,100 miles  
4. 168 miles

2.  $n = 98$   $n = 50$   $n = 21$   $n = 573$

3.  $n = 151$   $n = 408$   $n = 227$   $n = 482$

4. 10, 12, 14  
3, 7, 2  
16, 32, 64

5.  $\frac{1}{16}$ ,  $\frac{2}{16}$ ,  $\frac{3}{16}$ ,  $\frac{4}{16}$ ,  $\frac{9}{16}$ ,  
 $\frac{12}{16}$ ,  $\frac{16}{16}$

6. Answers will vary.

**Lesson 10**

1. 1. 6 days 2. 50 minutes  
3. 3 miles 4. 50 minutes

2.  $n = 91$ ;  $n = 25$ ;  $n = 103$   $n = 49$   
 $n = 97$ ;  $n = 47$ ;  $n = 747$   $n = 515$

6.  $36 \text{ R}3 \left(\frac{3}{4}\right) = 36.75 = 37$   
43

46  $\text{R}2 \left(\frac{2}{4}\right) = 46.5 = 47$

42  $\text{R}3 \left(\frac{3}{6}\right) = 42.5 = 43$   
59

7. 3; 2 R17; 2 R12  
11 R30; 12 R26; \$14.00  
\$3.04 407 208  
140; 190; 641 R20

8.  $400 \div 50 = 8$   
 $800 \div 20 = 40$   
 $4,000 \div 80 = 50$   
 $60,000 \div 30 = 2,000$

9.  $720 - 2, 5, 10, 3$   
 $6,531 - 3$   
 $4,002 - 2, 3$   
 $3,025 - 5$

10. Last week the same frames were priced 2 for \$13.75.  
\$15.96  
The box contains 16 envelopes in case an extra one is needed.  
\$0.25  
He played his friend Tom and lost miserably.  
9,526

11. 1 hour - I.  
90 seconds - E.  
24 hours - F.  
72 hours - J.  
120 minutes - H.  
5 minutes - K.  
1394 - D.  
1788 - B.  
millennium - A.  
a decade - C.  
a century - G.

12. AM PM PM PM AM  
12:00 PM 3:45 PM 7:15 PM  
1:45 AM 3:15 PM

13. 9:00 AM

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		





31 days in December  
Friday  
Sunday






14. 1 dollar, 1 quarter, 1 penny = (\$1.26)  
1 dollar, 2 quarters, 2 dimes, 1 penny = (\$1.71)  
3 dollars, 2 quarters, 1 dime, 4 pennies = (\$3.64)

15. 1. point A  
2. line segment AB  
3. line AB  
4. ray AB  
5. plane A  
6. intersecting lines  
7. perpendicular lines  
8. parallel lines  
9. right angle  
10. acute angle  
11. obtuse angle

16. 1. isosceles 2. equilateral -  $60^\circ 60^\circ$   
3. scalene -  $120^\circ/20^\circ$  4. isosceles

**Quarter Test 3**

1. 1. Rhombus - e   
2. Square - c.   
3. Equilateral Triangle - h.   
4. Scalene - j. 

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

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


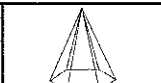
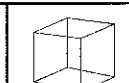
3.  $\frac{15}{16}$   $2\frac{5}{8}$   $6\frac{8}{9}$   $14\frac{17}{24}$   
 $20\frac{26}{21} = 21\frac{5}{21}$   $17\frac{10}{8} = 18\frac{2}{8} = 18\frac{1}{4}$   
 $102\frac{67}{40} = 103\frac{27}{40}$   
 $128\frac{12}{9} = 129\frac{3}{9} = 129\frac{1}{3}$

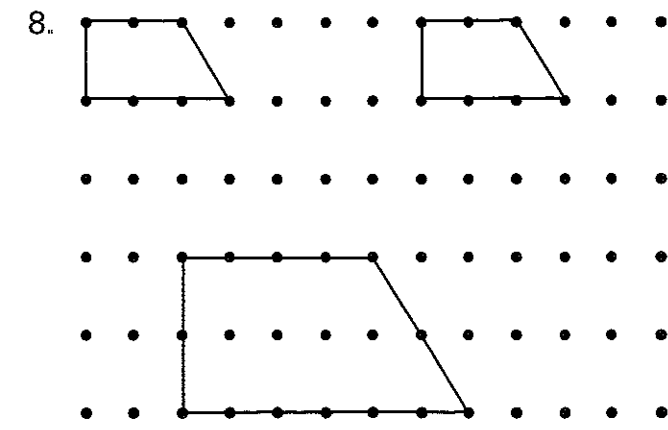
4. 21 9 20 36

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