NAME _____

Date _____ Period_____

Section 1.3
ALGEBRA

Solving Two Step Equations: Practice C

Directions: Solve the multi step equations below.

1. $4r + 2 = 10$	2. $5 + 2f = 17$	3. $-3 + y = 17 + 1$
4. $15 = 2x - 3$	5. $-8g + 1 = 17$	6. $10b - 2 = 4 + 14$
7. $4 = 3 - m$	8. $25q + 50 = 175$	9. $-4s + 10 = 4 - 2$

GradeAmathhelp.com

Created by GradeAmathhelp.com, all rights reserved.

NAME _____

Date _____ Period_____

Section 1.4
ALGEBRA

Solving Equations with Variables on Both Sides: Practice A

Directions: Solve the multi step equations below.

1. $^{-}4r = 8$	2. $5 + 2f = 17$	3. $-3 + 3y = 2y + 5$
4. $5 + x = 2x - 3$	5. $^{-}5g + 1 = 7 + 2g$	6. $10b - 2 = 4 + 14$
7. $3m - 13 = 3 - m$	8. $25q + 50 = 175$	9. $4s + 10 = 2s + {}^{-}2$

GradeAmathhelp.com

Created by GradeAmathhelp.com, all rights reserved.

10. $^{-}14h = {}^{-}28$	11. $b + 1 = -3 - {}^{-}2$	12. $4 + z + 2 = 21 - 2z$
13. $8 + 8y = {}^{-}16$	14. $4 + 7 = -q$	15. $x + x + x = 12$
16. $6r + 3 = 4r - 11$	17. $7p + 4 = 29 + 2p$	18. $20z + 80 = 140 + 10z$
19. $9m + 7 = 34$	20. $3y - 4 = 3 - {}^{-}2y$	21. $10m + 5 = 50 + 5m$

Created by GradeA**math**help.com, all rights reserved.

Name : _____ Score : _____

Teacher : _____ Date : _____

Scientific Notation

Write each number in standard format.

1) 8.71×10^{1} = _____

2) 4.689×10^{4} = _____

3) 5.18×10^{8} = _____

4) 3.4779×10^{9} = _____

5) 6.577×10^{4} = _____

6) 4.438×10^{1} = _____

7) 5.202×10^{4} = _____

8) 5.89×10^{5} = _____

9) 2.2863×10^{5} = _____

10) 3.78×10^{5} = _____

Write each number in scientific notation.

11) 83370000 = _____

12) 2329000000 = _____

13) 2070 = _____

14) 702.2 = _____

15) 57718000 = _____

16) 654 = _____

17) 2170000 = _____

18) 891960000 = _____

19) 2986.2 = _____

20) 4984200 = _____

Math-Aids.Com

Ratios and Proportions Word Problem Worksheet

Solve each problem.

1. The ratio of boys to girls in a class room is 7 to 11. If there are a total of 49 boys in the classroom, then

   how many boys and girls are there altogether?

   Answer: _____

2. The ratio of marbles to stones in a large pot is 6 to 7. If there are 42 marbles, then how many stones are there?

   Answer: _____

3. The ratio of coins to notes in a bag is 3 to 8. If there are total of 24 coins, then how many notes are there?

   Answer: _____

4. The ratio of black bags to blue bags is 5 to 3. If there are a total of 10 black bags, then how many blue bags are there?

   Answer: _____

5. The ratio of trucks to cars is 7 to 8. If there are a total of 21 trucks, how many cars are there?

   Answer: _____

6. The ratio of red ribbons to green ribbons is 4 to 6. If there are a total of 32 red ribbons, then how many green ribbons are there?

   Answer: _____

7. The volume of water in two containers is in the ratio of 6 to 7. If the volume of the first container is 36 liters, find the volume of second container.

   Answer: _____

Powered by: The Online Teacher Resource (www.teach-nology.com

<http://www.teach-nology.com/>)

Name : _____ Score : _____

Teacher : _____ Date : _____

Converting Between Percents, Decimals, and Fractions

Convert Decimal to Percent

0.68 = 1.39 = 0.46 =

0.695 = 0.39 = 1.61 =

Convert Percent to Decimal

155 % = 62.5 % = 19 % =

11 % = 95 % = 128 % =

Convert Decimal to Fraction

0.239 = 0.9 = 0.18 =

1.26 = 0.16 = 0.768 =

Convert Fraction to Decimal

$\frac{12}{10}$ = $\frac{21}{40}$ = $\frac{3}{20}$ =

$\frac{19}{20}$ = $\frac{28}{25}$ = $\frac{11}{20}$ =

Convert Fraction to Percent

$\frac{3}{50}$ = $\frac{28}{25}$ = $\frac{1}{40}$ =

$\frac{5}{20}$ = $\frac{5}{50}$ = $\frac{1}{20}$ =

Convert Percent to Fraction

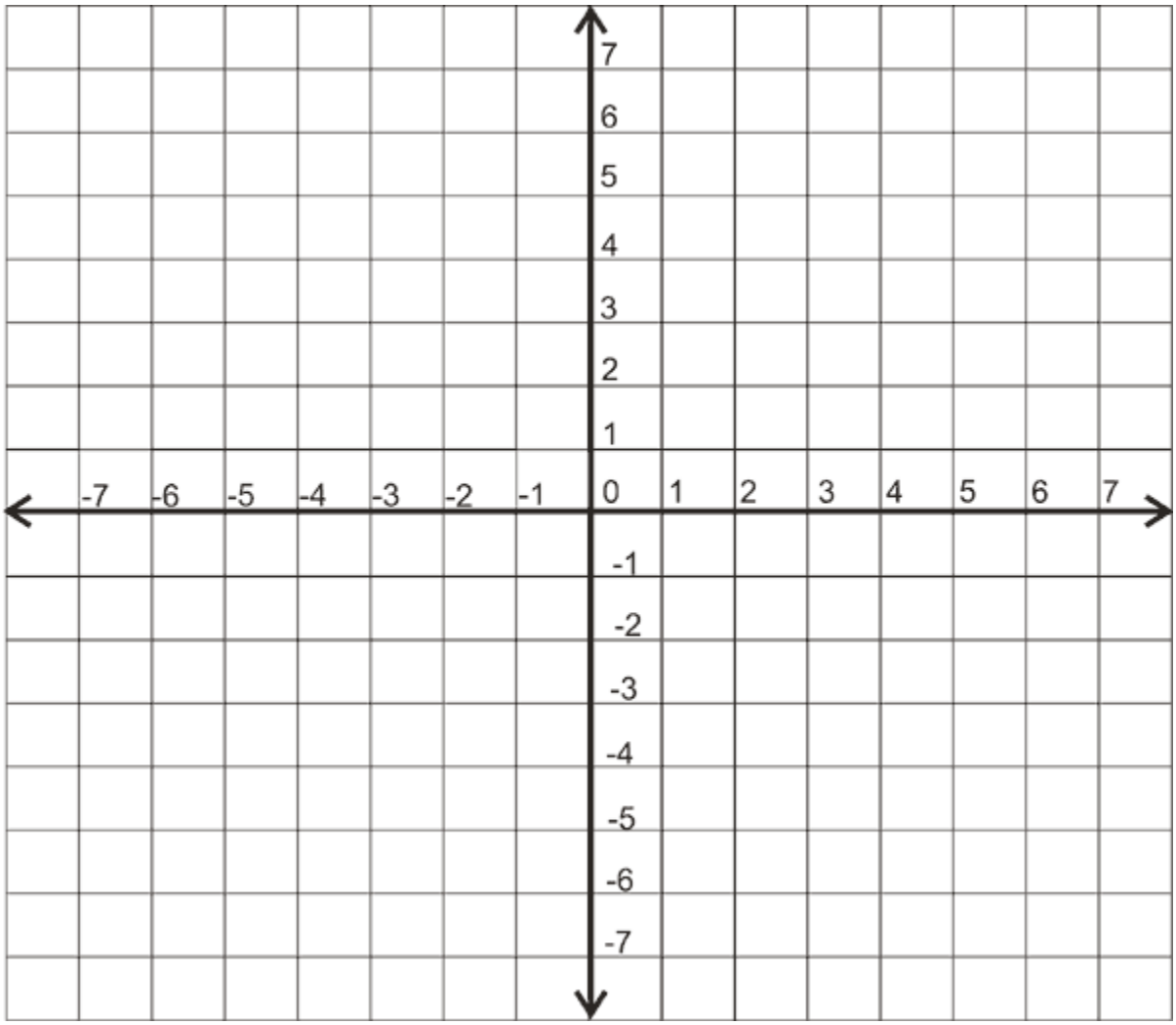
180 % = 182 % = 28 % =

77 % = 82.3 % = 26 % =

Name _____ Date _____

Drawing the Ordered Pairs

Draw the ordered pairs below on the coordinate grid.



1. A(-2,3)
2. B(-3,-3)
3. C(2,5)
4. D(3,-4)
5. E(4,-1)
6. F(0,-5)

© This geometry worksheet is from www.teach-nology.com

Name : _____ Score : _____

Teacher : _____ Date : _____

Order of Operations

1) $(8 + 32 - 4^2) \div (9 - 7)$

2) $(15 + 49 - 4) \div 10 + 2^2$

3) $(9 + 55 - 2^2) \div (27 + 3)$

4) $(14 - 2) \times (8 + 4) - 6^2$

5) $(10 - 4) \times (8 + 6) + 7^2$

6) $(10 - 5)^2 + (16 + 14 \div 7)$

7) $(10 + 43 - 3) \div 10 - 4^2$

8) $(5 + 5)^2 + (16 + 14 \div 7)$

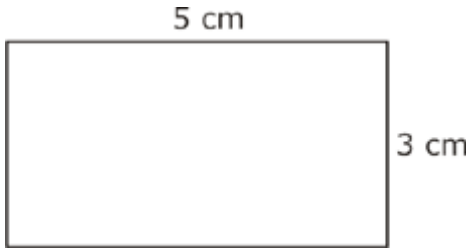
9) $5 \times (5 \times 3 + 9^2) - 4$

10) $4 \times (12 \times 8 - 2^2) + 3$

Math-Aids.Com

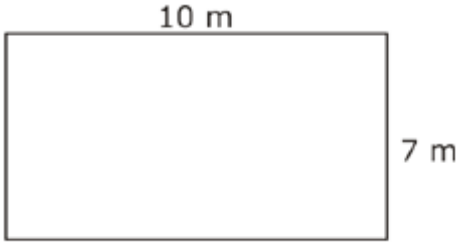
Name _____ Date _____

Area and Perimeter of Rectangles Version 2



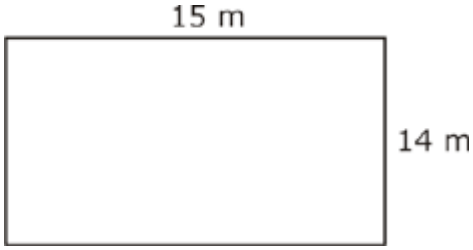
Perimeter =

Area =



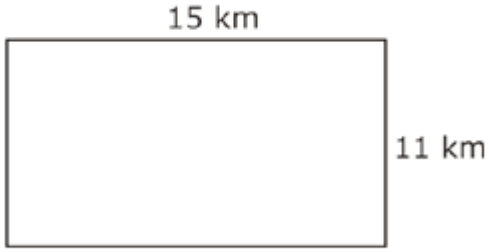
Perimeter =

Area =



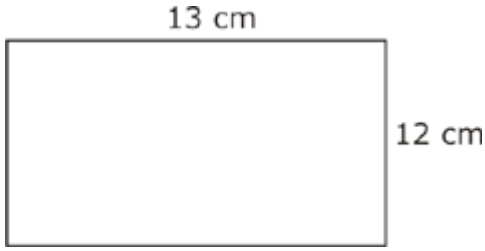
Perimeter =

Area =



Perimeter =

Area =



Perimeter =

Area =

©This area and/or perimeter worksheet is from **www.teach-nology.com**

Directions: Write the answer to each problem in the space to the right.

1. There are 1836 polka dots on Hal's long johns. 1/6 of them are green. What number of them are green? _____

2. If you had to travel 1,092 miles in seven days, how many miles would you have to travel a day to make the trip? _____

3. A peanut farmer has 8 children and he harvests 784 peanuts. How many peanuts can he give each child and how many peanuts would be left over for the farmer? _____

4. Hal has a pet Kudu named Cucumber. Cucumber loves kumquats and consumes 58 a day. How many kumquats will Cucumber eat in a year? _____

5. Hal has planted 39 strawberry plants. If each plant yields 129 strawberries, how many strawberries will he have growing in his garden all together? _____

6. On the race track, one lap is 12 miles long. On Sunday they will hold a race that has 133 laps. How long is the race in miles? _____

7. Charlie lives in Seattle. He planned a trip to California. He left on August 2, 1999. He went to the airport at 5:00 pm. The plane left at 5:30 pm. Charlie arrived in California at 10:00 pm, Seattle time. How long did the flight take? _____

8. Gerard went to Canada at 7:00 am. When he got there it was 12:00 pm. How many hours did it take for him to travel to Canada? _____

9. A box of apples weighs nine kilograms plus the weight of half a box of apples. What is the weight of a box of apples? _____

10. A man is now three times as old as his son and was 30 years old when his son was born. How old is the son now? _____

11. The difference between two numbers is 56. The sum of these two numbers is 208. What is the smaller number of the two? _____

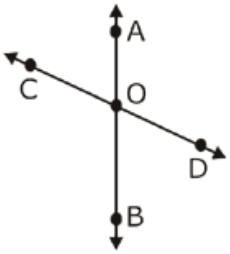
12. If Costas buys oranges at 5 for 2 cents and sell them at 4 for three cents, how many must he buy and sell to make a profit of 420 cents? _____

Name _____ Date _____

Naming Angle Pairs

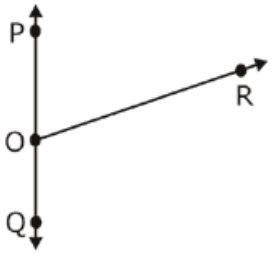
Name the (supplementary, adjacent, complementary, and vertical) pair of angles.

1.



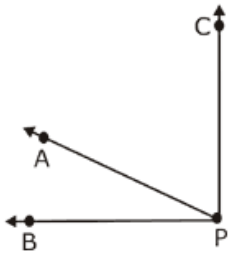
Name a pair of supplementary angles

2.



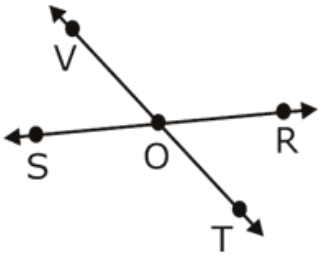
Name a pair of adjacent angles

3.



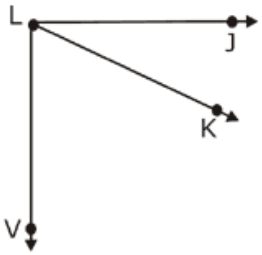
Name a pair of complementary angles

4.



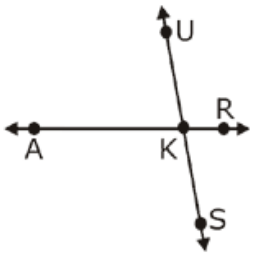
Name a pair of vertical angles

5.



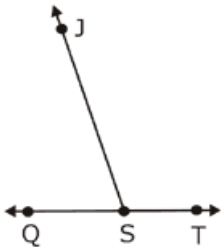
Name a pair of complementary angles

6.



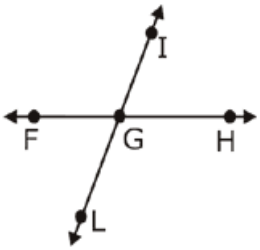
Name a pair of adjacent angles

7.



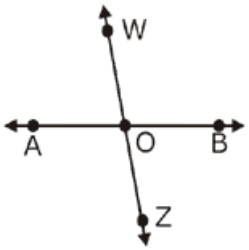
Name a pair of supplementary angles

8.



Name a pair of vertical angles

9.



Name a pair of vertical angles

© This geometry worksheet is from www.teach-nology.com

10. $-14h = 28$	11. $b + 1 = -3 - {}^{-}2$	12. $4 + z + 2 + z = 20$
13. $8y = -16$	14. $4 + 7 = -q$	15. $x + x + x = 3$
16. $6r + 3 = 27$	17. $7p + 4 = 18$	18. $20z + 80 = 140$
19. $9m + 7 = 34$	20. $-4 = 4 - {}^{-}2y$	21. $10m = 100 - 10$

Created by GradeA**math**help.com, all rights reserved.