Decimal Jeopardy

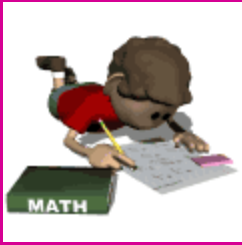| ESTIMATION	DECIMAL PLACE VALUE	ROUNDING WITH DECIMALS	DIVIDING WITH DECIMALS	PROBLEM SOLVING
10	10	10	10	10
20	20	20	20	20
30	30	30	30	45
40	40	40	40	55
50	50	50	50	65
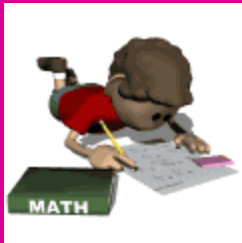
Estimation – 10 pts
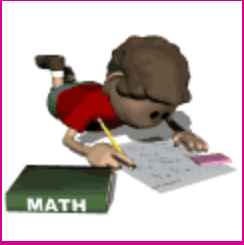
Estimate the sum.

2.12 + 4.89 + 12.75

2 + 5 + 13 = 20

Estimation – 20 pts

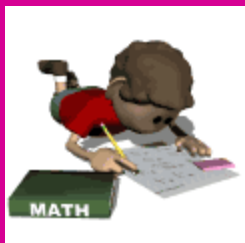Estimate the difference.

$$\$25.12 - \$8.92 =$$

25 - 9 = 16

Estimation – 30 points
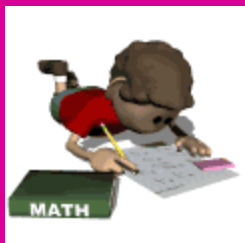
Estimate the product.

23 x 11 =

20 x 10 = 200

Estimation – 40 points
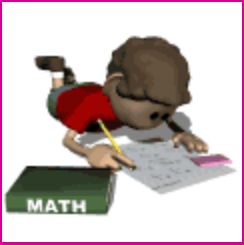
Estimate the product

5.7 x 2.2 =

6 x 2 = 12

Estimation – 50 points

Estimate the quotient.

118 / 57

120 / 60 = 2

Decimal Place Value – 10 points
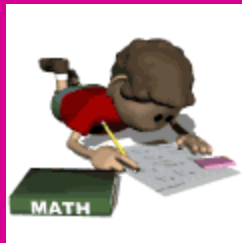
Give the number in the thousandths
Place in the number

0.235

5

Decimal Place Value – 20 points

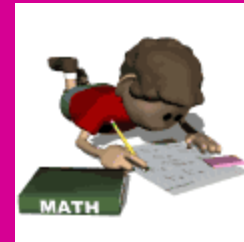Give the place value of the 4 in the number **2.17643**

Decimal Place Value – 30 points

Which number below has a 3 in the tenths place?

a)30.02
b)23.14
c)1.35

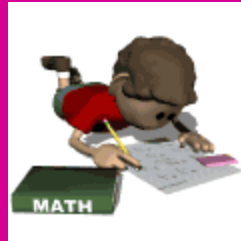c) 1.35

Decimal Place Value – 40 points

The digit "2" appears twice in the number 2.046728. Name the place values.

a)ones and hundred-thousandths
b)ones and millionths
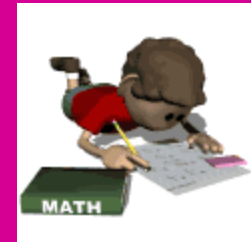c)tens and millionths
d)tens and hundred-thousands

Decimal Place Value – 50 points

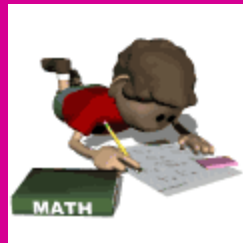The digit 4 has the *largest* place value in which number.

a) 2.03546
b) 0.1457
c) 5.994

Rounding with decimals – 10 points

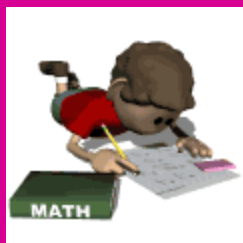Round **2.95** to the *tens* place.

3

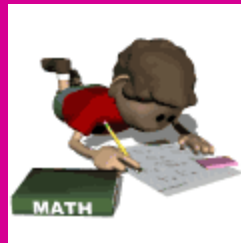# Rounding with Decimals – 20 points

Round 3.0547 to the thousandths place.

3.055

Rounding with Decimals – 30 points

Which number could be rounded to **4.05**

a) 4
b) 4.047
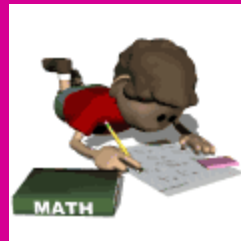c) 4.057

Rounding with Decimals – 40 points

All the numbers below will round to 4 *except*…
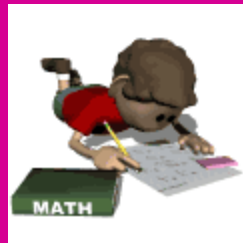
4.16;   4.427;   3.54;   4.51

4.51

Rounding with Decimals – 50 points

Which two numbers will round to
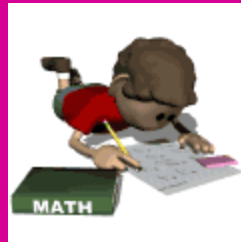
3.3

a)3.315 and 3.29
b)3.34 and 3.24
c)3 and 3.33

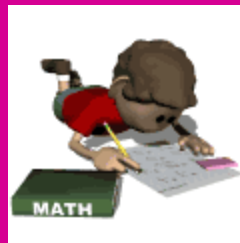Dividing with Decimals – 10 points

Solve.

$$0.2 \overline{)31.6}$$

158

Dividing with Decimals – 20 points

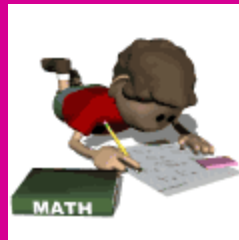Solve.

$$0.06 \overline{)16.2}$$

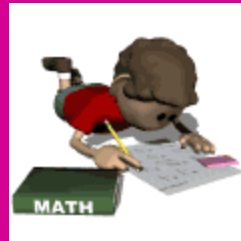Dividing with Decimals – 30 points

Solve.

$$22.2 \div 0.03$$

Dividing with Decimals – 40 points

James, Cara, and Michelle want to split the cost of a large pizza. The pizza will cost $12.36 total. How much will each person pay?
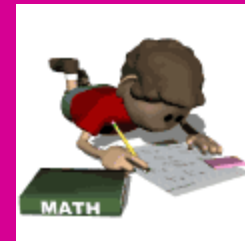

$4.12

Dividing with Decimals – 50 points

Which division problem has a quotient Of 20?
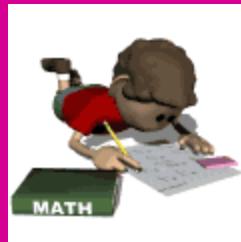
a) $0.6 \div 0.03$

b) $0.6 \div 0.003$

c) $0.6 \div 3$

Problem Solving – 10 points

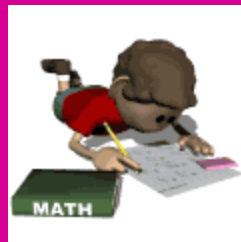Melvin ran 2.56 miles, Ramon ran 2.6 miles, Marlene ran 2.53 miles. Who ran the furthest?

Ramon

Problem Solving – 20 points

Carla has a current balance
of $445.12. Today she wrote
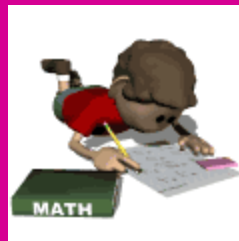a check for $89.73 to pay the
water bill. What is her new balance?

$355.39

Problem Solving – 45 points

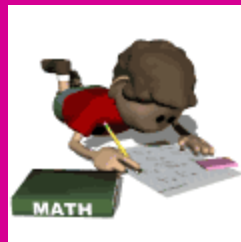Jana has $118.45 in her savings account. She withdrew $30.00, then deposited $85.22. What is her new balance?

$173.67

Problem Solving – 55 points

Maribel wants to purchase a bike that costs $95.89. She earns $24 a week babysitting. How many weeks will she need to work to save the amount needed to purchase the bike?
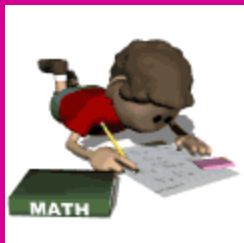

4 weeks

Problem Solving – 65 points

Emily owes her dad $318.00. So far she
has given him two payments of $53.00
How much does she still owe him. If she
continues to make $53.00 payments, how
Many payments are left?

$212.00 left; 4 payments