

**MAKE SURE TO FOLLOW THESE DIRECTIONS:**

Complete the following on separate pieces of paper. The top page must be **ONLY** the answers, written in numeric order by problem number. All subsequent pages must show **ALL** work performed, also in numeric order by problem number.

**1. USING THESE NUMERALS: (1) 9,391, 203, 591 and (2) 7.19433**

- (a) Write the numeral in words (e.g. 1,048.205 is written in words as “one thousand forty-eight and two hundred five thousandths”)
- (b) Expand the numeral using addition.
- (c) Round the numeral to the highest place value.

**2. Find the sum of the following:**

- (a) 2,171,298 ; 24,618,991 ; 525,770; 137,191,200
- (b) 1.1225, 5.9, 0.23, 9.121
- (c) 4113.137, 2.1055, 590,001.02, 98.2

**3. Subtract the following:**

- (a) 16.191 from 221.42
- (b) 237,191.879 from 1,331,722.11

**4. a) Estimate the answer by rounding and multiplying by doing mental math, then b) calculate the exact answer by multiplying the following:**

- (a) 333,291 times 209
- (b) 5.235 times 9.79

**5. Divide the following:**

- (a) 45,099 by 3 (use short division)
- (b) 6,602,706 by 22 (ESTIMATE then use LONG DIVISION)
- (c) 9974 by 5 (use LONG division)
- (d) 6.1563 by 3 (use short division)
- (e) 78.235 by 0.5 (use short division)

**6. Round to the nearest: (i) hundred, (ii) ten, (iii) one, (iv) tenth, (v) hundredth, (vi) thousandth**

- (a) 98.2978
- (b) 739. 2551

**7. Calculate the answer in the shortest way possible (e.g. move the decimal point). Multiply 70 by:**

- (i) .1 (ii) 10 (iii) 100 (iv) 1,000 (v) .2 (vi) 20 (vii) 20 (viii) 2,000

**8. Calculate the answer in the shortest way possible. Divide 28,000 by:**

- (i) 10 (ii) 100 (iii) 1,000 (iv) 70 (v) 700 (vi) 7,000

9. You bought a book for \$9.25 The next day you exchanged it for one that cost \$21.95. You give the cashier \$50 to pay the difference in price. How much change should you get?

10. You increased your \$400 bank account 5.75 times. How much money did you add to your account? How much money, in total, is in your account?

11. Tickets for the play cost \$3, \$8, and \$15. For the school you bought 100 three-dollar tickets, 421 eight-dollar tickets, and 33 fifteen-dollar tickets. How much money did you have to pay for all the tickets?

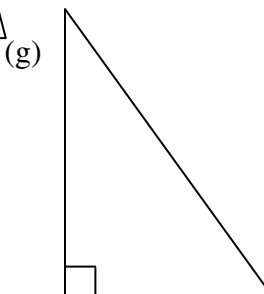
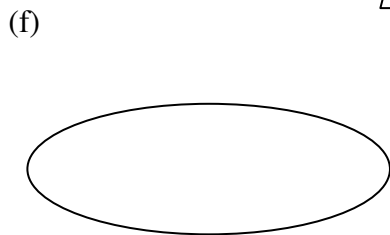
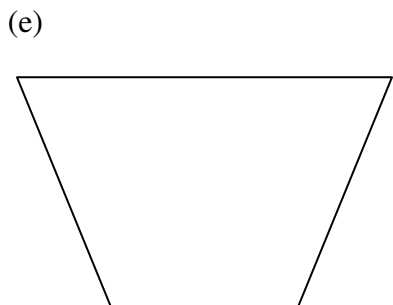
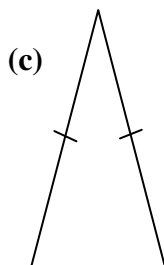
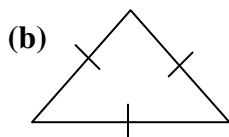
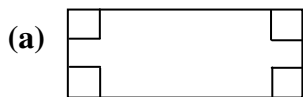
12. The Tiny Town newspaper sold 456,333 newspaper in a year. Silver Town sold 35,999 more. How many papers were sold in Silver Town.

13. Make sure your answer is in its simplest form.

(a)  $12 \frac{3}{5} + 5 \frac{1}{15}$

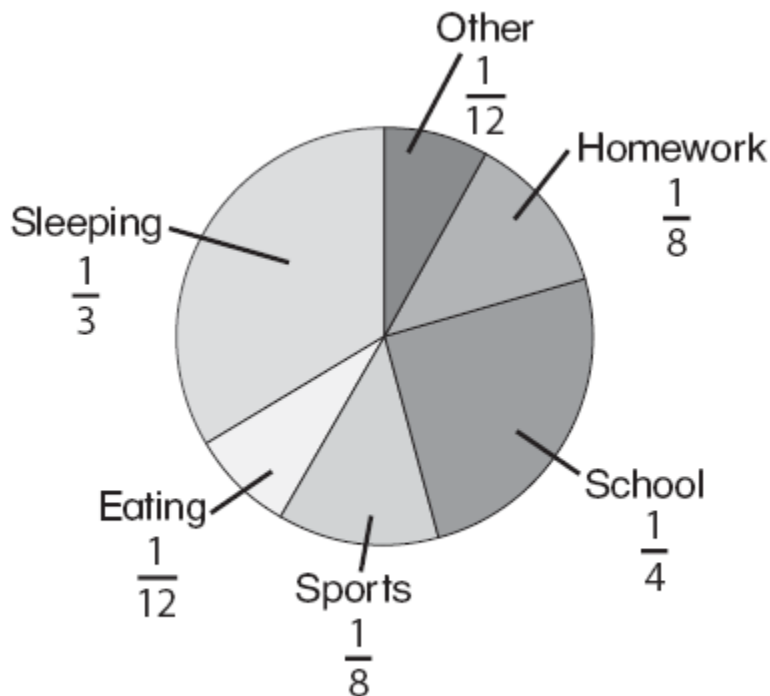
(b)  $15 \frac{1}{3} - 3 \frac{3}{4}$

14. Identify the following shapes, by writing the correct name under each shape.



15. Use the Circle Graph below to answer these questions:

- (a) What fractional portion of the day is spent at school?
- (b) What fractional portion of the day is spent on Homework and Sports?
- (c) What **PERCENT** of the day is spent on Homework and School?
- (d) What **PERCENT** of the day is spent on Eating, Sports, and Homework?
- (e) What fractional portion of the day is **NOT** spent sleeping?
- (f) What **PERCENT** of the day is **NOT** spent on Eating and Sleeping?



Portion of the day spent on activities

16. Use the Double-Bar Graph below to answer these questions:

- (a) What afternoon were the most bicycles rented?
- (b) What morning were the least bicycles rented?
- (c) What day were the most bicycles rented?
- (d) What day were the least bicycles rented?
- (e) How many bicycles were rented on all the afternoons?
- (f) Is the trend of morning bicycle rentals increasing or decreasing, overall?
- (g) Is the trend of afternoon bicycle rentals increasing or decreasing, overall?

