$\qquad$ Name: $\qquad$
Date: $\qquad$

## $6^{\text {th }}$ Grade Practice Sheet 22

Show all work - NO CALCULATORS!

| 1. Order the numbers from least to greatest. | 6. Order the numbers from least to greatest. |
| :---: | :---: |
| $\frac{2}{3}, \frac{5}{6}, \frac{1}{2}, 1$ |  |
| 2. Order the numbers from least to greatest. | 7. Order the numbersfrom least to greatest. |
| 1.7, 1.24, 1.02, 1.300 |  |
| 3. What is the area of circle with a diameter of $\qquad$ 12 feet? Give your answer in terms of pi. Give the units as well. | 8. What is the circumference of a $\quad \square$ circle with a diameter of 22 mm ? Give your answer in terms of pi. Give the unit as well. |
| 4 Simplify the product of $\square$ 3 and $\frac{3}{5}$ | 9. Simplify the <br> product of  <br>  $3 \frac{1}{3}$ and $1 \frac{2}{3}$ |
| 5. Find the product of $\square$ 2.84 and 21 | 10. Find the product. $2.37 \text { and } 0.8$ |



## Be sure to show how you made your choice.

21) Look at the series of figures and their perimeters. What would be the perimeter of the fifth figure in the series?


Figure 1 has perimeter 4 Figure 3 has perimeter 12


Figure 2 has perimeter 8
Figure 4 has perimeter 16
a. $\quad 18$
b. 20
c. 22
d. 24
22) During your summer vacation you decide to earn some extra money by mowing lawns Monday through Saturday. The number of lawns you mow during each day of the week is given in the table below. If you charge $m$ dollars per lawn, which expression could be used to determine your income for the 1-week period?

| Mon | Tue | Wed | Thu | Fri | Sat |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | 2 | 2 | 4 | 3 | 6 |

a. $m-24$
b. $m+24$
c. $m$
d. $24 m$
23) Ernesto lives 38 miles from the hospital. Barb lives $d$ miles closer than Ernesto to the hospital. Which expression could be used to represent how far Barb lives from the hospital?
a. $d-38$
b. $\quad 38-d$
c. $38+d$
d. $38+d$
24) Which of the following expressions is equivalent to three less than the product of a number and eight?
a. $3-8 n$
b. $(3-n) 8$
c. $8 n-3$
d. $8 n+3$
25) Which of the following expressions represents 2 less than 5 times a number?
a. $2-5 n$
b. $2+5 n$
c. $5 n-2$
d. $5 n+5$
26) If $c=6$, what is the value of $9 \times 4 \div c$ ?
a. 2
b. 6
c. 7
d. 18
27) What is the value of $\frac{1}{2 n} \cdot 4 \mathrm{p}^{2}$ if $n=10$ and $p=5$ ?
a. 5
b. 10
c. 20
d. 45
28) The distance traveled is the amount of time spent traveling. Tom can calculate the distance traveled on his bike, by using the formula $d=14 t$ miles. If he rode his bike for 2.5 hours, how far did he travel?
a. $\quad 5.6$ miles
b. $\quad 11.5$ miles
c. $\quad 16.5$ miles
d. $\quad 35.0$ miles
29) Henry works at a flower shop located on the $80^{\text {th }}$ floor of a building. He went down 60 floors to deliver flowers, back up 15 floors to make a second delivery, and finally down 2 floors to make a third delivery. (Don't ask me why.) Which floor was Henry on when he made the third delivery?
a. 33 rd
b. $35^{\text {th }}$
c. 37 th
d. 47 th
30) An auditorium can seat 976 people. At a recent event, 246 people sat in the auditorium. Which estimate is closest to the percent of the 976 seats that were empty during this event?
a. $25 \%$
b. $50 \%$
c. $75 \%$
d. $100 \%$

