

Name: _____

(Parent Signature)

Date: _____

6th Grade Practice Sheet 16

Show all work

1. Evaluate: $9 \times 2^2 + 45 \div 3^2$		6. Evaluate: $5(12.5 + 2.5) \div 5^2$	
2. Evaluate: $(5^2 + 5^2) \div 5 - 9$		7. Evaluate: $25 * (8 - 6)^2 + 65$	
3. Find the product of: $0.35 * 31.97$		8. Find the product of: $4.8 \cdot 54.5$	
4. Find the product of 5.68 and 31		9. Find the product of 3 and 6.59	
5. Find the sum $3\frac{3}{10}$ and $6\frac{3}{4}$		10. Find the difference $6\frac{3}{4}$ and $3\frac{3}{10}$	

<p>11. Find the product in the simplest form.</p> $4\frac{2}{9} * 1\frac{1}{8}$		<p>16. Evaluate and solve in the simplest form.</p> $\frac{4}{10} * 4\frac{1}{3}$	
<p>12. Multiply and simplify if necessary.</p> $\frac{1}{4} \times 9$		<p>17. Find the quotient.</p> $\frac{2}{3} \div \frac{9}{12}$	
<p>13. Find the quotient.</p> $11\frac{3}{4} \div \frac{1}{4}$		<p>18. Find the quotient.</p> $9\frac{1}{2} \div 9\frac{4}{6}$	
<p>14. Convert to a decimal.</p> $\frac{23}{3}$		<p>19. Convert mixed numbers to a fraction.</p> $4\frac{4}{12}$	
<p>15. Evaluate when $x = 3.7$</p> $2.7x - 3.79$		<p>20. Evaluate when $y = 4.5$</p> $9.5y + 0.213$	

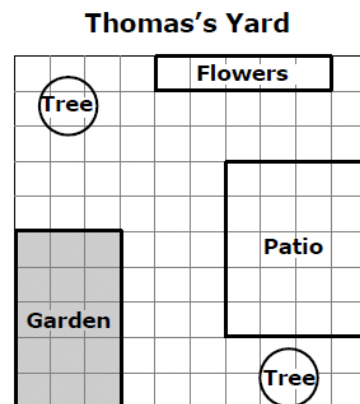
Show how you made your choice.

21) Kevin's age is three times Janet's age. Which of the following expressions best represents Kevin's age in relation to Janet's age (Janet's age = j)?

- a. $j + 3$
- b. $j - 3$
- c. $3j$
- d. $j \div 3$

22) Thomas made a drawing of his yard on a grid. The shaded squares represent the area for the garden. What decimal number is equivalent to the fractional part of Thomas' yard that will become the garden?

- a. 0.015
- b. 0.15
- c. 1.5
- d. 15.00



23) Hattie earns \$6 an hour babysitting and pays \$1 each way for the bus. To calculate how much money she makes, Hattie uses the following formula: $6x - 2$. If she baby sits for 3 hours, how much will she make that day?

- a. \$7
- b. \$16
- c. \$18
- d. \$22

24) The number 7^3 is equivalent to _____.

- a. 21
- b. 49
- c. 343
- d. 777

25) Give the first four multiples of 15.

- a. 1, 3, 5, 15
- b. 15, 30, 45, 60
- c. 15, 45, 75, 115
- d. 5, 3, 15, 30

26) Which number is equivalent to 3^4 ?

a. 4^3

b. 6^3

c. 9^2

d. 27^2

27) What is the product of $\frac{2}{5}$ and $\frac{1}{3}$?

a. $\frac{1}{5}$

b. $\frac{5}{6}$

c. $\frac{3}{8}$

d. $\frac{2}{15}$

28) What is $\frac{5}{8}$ of $\frac{3}{7}$?

a. $\frac{15}{56}$

b. $\frac{8}{15}$

c. $\frac{35}{24}$

d. $\frac{40}{21}$

29) Simplify: $5 + 6 \times 8 \div 4 - 2 \times 5$

a. 3.5

b. 7

c. 8.8

d. 100

30) Nicole found a can of paint $\frac{2}{3}$ full. She used $\frac{3}{4}$ of what was left to paint her bedroom. How much of the whole can of paint did she use?

a. $\frac{1}{12}$ of the can

b. $\frac{17}{12}$ of the can

c. $\frac{1}{2}$ of the can

d. $\frac{1}{4}$ of the can