

6th Review #68 – WORK MUST BE SHOWN FOR EACH PROBLEM – NO CALCULATORS

1. Evaluate the following expression:
(show "GEMDAS" and each line of work)

$$15 \bullet 8 - (7^3 - 300) + 25$$

2. Brad purchased 3 apples at lunch every day for 10 days. The apples cost \$1.99 each. About how much did Bart pay for all the apples? (Show how you solved)

- | | | | |
|---|------|---|------|
| A | \$30 | C | \$20 |
| B | \$60 | D | \$13 |

3. Sid has 28 comic books and 10 comic figures to sell at the fair. He priced the comic books at \$2.89 each and the figures at \$1.95. About how much money will he make if he sells all his comic stuff? (Show how you found the total amount of money)

- | | | | |
|---|-------|---|-------|
| A | \$38 | C | \$5 |
| B | \$104 | D | \$280 |

Name _____

4. Which of the following fraction and decimal is the same as 35%? (Show how you found the fraction)

- A $\frac{3}{5}$, 0.35
 B $\frac{1}{35}$, 0.035
 C $\frac{7}{20}$, 0.35
 D $\frac{1}{7}$, 3.5

5. Which of the following is true? (Show how you compared the numbers)

- | | | | |
|---|----------------------------|-----|---------------|
| | 80% | 0.2 | $\frac{1}{3}$ |
| A | $80\% > \frac{1}{3} > 0.2$ | | |
| B | $0.2 > \frac{1}{3} > 80\%$ | | |
| C | $\frac{1}{3} > 80\% > 0.2$ | | |
| D | $80\% > 0.2 > \frac{1}{3}$ | | |

6. Circle all of the following that are true? (Show all work)

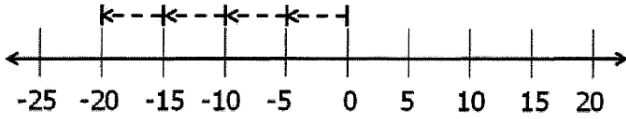
- A $-48 > 0$
 B $|7| = -7$
 C $|-23| > -15$
 D $8 = |8|$

Adv. Review #68 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7.

Look at the model.



Which number sentence is represented by this model?

- F $-5 \cdot 4 = -20$
- G $-5 \cdot (-4) = -20$
- H $-5 \cdot 4 = 20$
- J $-5 \cdot (-4) = 20$

8. Solve the following:

$$7 + -5 \div 1 + 3^4$$

9.

Which expression has the greatest value?

- A. $64 - 32 \div 8 + 8 \cdot 4 - 2$
- B. $64 - 32 \div 8 + 8 \cdot (4 - 2)$
- C. $64 - 32 \div (8 + 8) \cdot 4 - 2$
- D. $(64 - 32) \div 8 + 8 \cdot 4 - 2$

10. If the temperature is -19 degrees outside at 5:00pm, and then at 6:00pm the temperature is -35 degrees, what is the change in temperature?