

ASSIGNMENT

GRADE 9

Round the following as indicated in brackets

- 1. 546.75 (nearest tenth)**
- 2. 45600 (nearest thousand)**
- 3. 546.768 (nearest tens)**
- 4. 67.92 (1 d.p.)**
- 5. 13.7896 (2 d.p.)**
- 6. 502 (nearest 5)**
- 7. 415 (nearest 20)**
- 8. 3.12 (1 s.f.)**
- 9. 1200546 (4 s.f.)**
- 10. 0.0004598 (2 s.f.)**

Identify the number of significant figures in the following.

- 1. 10087.5**
- 2. 5.100**
- 3. 0.00356**
- 4. 70000**
- 5. 75000**

Simplify the following

- 1. $2^{-4} \times 8$**
- 2. $\frac{5^{-2}}{25} \div \frac{5^3}{25^2}$**

Solve the following

- 1. $4m + 1 = 2m + 7$**
- 2. $\frac{10m}{3} + 5 = 3m - 9$**
- 3. I bought 3 bags of marbles. My friend bought 1 bag and he also had 24 loose marbles. We discovered that we had exactly the same number of marbles. By using algebraic equation, find the number of marbles in a bag.**