



Relative Formula Mass Answer Sheet

Answer the following questions, show your working:

1. Calculate the relative formula mass of each of the following.

(Ar: H = 1; N = 14; O = 16; Zn = 65; Cu = 63.5; Al = 27; S = 32)

a. HNO_3

$$1 + 14 + (16 \times 3) = 63$$

b. NH_4NO_3

$$14 + (1 \times 4) + 14 + (16 \times 3) = 80$$

$$\text{Or } (14 \times 2) + (1 \times 4) + (16 \times 3) = 80$$

c. $\text{Zn}(\text{OH})_2$

$$65 + (16 \times 2) + (1 \times 2) = 99$$

d. $\text{Cu}(\text{NO}_3)_2$

$$63.5 + (14 \times 2) + (16 \times 6) = 187.5$$

e. $\text{Al}_2(\text{SO}_4)_3$

$$(27 \times 2) + (32 \times 3) + (16 \times 12) = 342$$

f. $(\text{NH}_4)_2\text{SO}_4$

$$(14 \times 2) + (1 \times 8) + 32 + (16 \times 4) = 132$$

