

Solve the each expression and keep the correct number of significant digits.

$$2.54 + 4.86492$$

$$124000 + 34.873$$

$$1200. + 3454.2$$

$$0.0320 + 1.24$$

$$(3.2530)(1.2)$$

$$(1024)(2.1)$$

$$\frac{4.20433}{0.12}$$

$$\frac{3.9700}{0.0001}$$

$$\frac{(1.3200)(2000)}{1.298}$$

$$1.9873 + \frac{23.984}{0.12}$$

$$1.9873 + (3.892)(1200)$$

$$\frac{1286}{(734)(91.9482)}$$

$$9.342 + \frac{2.3}{9.0}$$

$$30.462 + \frac{2.3857}{.00152}$$

$$(0.9834)^{3.2} + 10$$

$$(2.357)(2.357)$$

$$\sqrt{8.753}$$

Solve the each expression and keep the correct number of significant digits.

$$2.54^{+2} + 4.86492^{+5} = 7.40492^{+2}$$

$$= 7.40$$

$$124000^{-3} + 34.873^{+3} = 124034.873^{-3}$$

$$= 124000$$

$$1200^0 + 3454.2^{+1} = 4654.2^0$$

$$= 4654$$

$$0.0320^{+4} + 1.24^{+2} = 1.2720^{+2}$$

$$= 1.27$$

$$\frac{(3.2530)}{5} \frac{(1.2)}{2} = \underline{3.9036}$$

$$= \boxed{3.9}$$

$$\frac{(1024)}{4} \frac{(2.1)}{2} = \underline{2150.4}$$

$$= \boxed{2200}$$

$$\frac{4.20433}{0.12} \frac{6}{2} = \underline{35.0360833}$$

$$= \boxed{35}$$

$$\frac{3.9700}{0.0001} \frac{5}{1} = \underline{39700}$$

$$= \boxed{40000}$$

$$\frac{5}{1} \frac{(1.3200)}{1.298} \frac{(2000)}{1} = \frac{2640}{1.298} \frac{1}{4}$$

$$= \underline{2033.8983}$$

$$= \boxed{2000}$$

$$= 1.9873 + \frac{23.984}{0.12}$$

$$= 1.9873 + 199.8667$$

$$= 201.853967 \quad = 2.0 \times 10^2$$

$$= 1.9873 + (3.892)(1200)$$

$$= 1.9873 + 4670.4$$

$$= 4672.3873 \quad = 4700$$

$$= \frac{1286}{(734)(91.9482)}$$

$$= 0.019055 \quad = 0.0191$$

$$= 9.342 + \frac{2.3}{9.0}$$

$$= 9.342 + 0.25556$$

$$= 9.597556 \quad = 9.60$$

$$\begin{aligned}
 &= 30.462 + \frac{2.3857}{.00152} \\
 &= 30.462 + 1569.5395 \\
 &= 1600.0014 \quad \boxed{= 1.60 \times 10^3}
 \end{aligned}$$

$$\begin{aligned}
 &= (0.9834)^{\frac{3.2}{2}} + 10 \\
 &= 0.94784 + 10 \\
 &= 10.94784 \quad \boxed{= 10}
 \end{aligned}$$

$$\begin{aligned}
 &= (2.357)(2.357) \\
 &= 5.555449 \quad \boxed{= 5.555}
 \end{aligned}$$

$$\begin{aligned}
 &= \sqrt{8.753} \quad \text{exact} \\
 &= (8.753)^{\frac{1}{2}} \\
 &= 2.958546941 \quad \boxed{= 2.959}
 \end{aligned}$$