

Intermediate Numbers * Problems A,B,C,D
 Created to Challenge & Diagnostic Analysis!

Try using **Mental Math** to solve problems!
 Using a **Basic Calculator** is OK if needed!
Check Results, Collaborate, Get/Give Help!

WholeNs: **Carry & Borrow, 2Digit-M, Remainder**
 Mental Math and Basic Calculator can be used!

$$678 + 25 = \quad 3.62 + 1.24 =$$

$$485 - 37 = \quad 7.04 - 5.6 =$$

$$43 \times 17 = \quad 1.06 \times .07 =$$

$$378 / 4 = \quad 1.28 / .4 =$$

Fractions: **Unlike Denominators & Reducing!**
 Mental Math and Basic Calculator can be used!

$$1/2 + 5/6 = \quad 2 \frac{3}{4} + 3 \frac{1}{8} =$$

$$5/9 - 1/3 = \quad 5 \frac{4}{6} - 2 \frac{1}{2} =$$

$$2/5 \times 2/3 = \quad 1 \frac{1}{3} \times 1 \frac{2}{5} =$$

$$2/5 / 1/3 = \quad 1 \frac{1}{4} / 1 \frac{2}{3} =$$

Exponents 0,1,2,3 Easy! Radicals: Teens Easy!
 Mental Math and Basic Calculator can be used!

$$8^2 + 6^0 = \quad \sqrt{81} + \sqrt{121} =$$

$$2^3 - 9^1 = \quad \sqrt{289} - \sqrt{25} =$$

$$5^0 \times 7^2 = \quad \sqrt{225} \times \sqrt{9} =$$

$$3^3 / 5^1 = \quad \sqrt{144} / \sqrt{16} =$$

Proportions & Percentages: More Challenging!
 Mental Math & Basic Calculator can be used!

$$3 : 6 = \underline{R} : 7 \quad R = \quad 40\% \text{ of } 15 \text{ is } (M) \quad M =$$

$$\underline{S} : 2 = 9 : 6 \quad S = \quad (P)\% \text{ of } 20 \text{ is } 6 \quad P =$$

$$3 : 5 = 4 : \underline{T} \quad T = \quad 10\% \text{ of } \underline{H} \text{ is } 7 \quad H =$$

$$2 : \underline{V} = 4 : 6 \quad V = \quad \underline{K} \% \text{ of } 40 \text{ is } 64 \quad K =$$

Intermediate Numbers * Problems E,F,G,H
 Arranged to Engage and for Excitement!

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