

Advanced Numbers * Problems A,B,C,D
Created to Empower & 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!

$$678 + 205 = \qquad 4.57 + 6.84 =$$

$$805 - 397 = \qquad 7.64 - 5.68 =$$

$$309 \times 26 = \qquad 1.6 \times .57 =$$

$$308 \div 7 = \qquad 3.25 \div .07 =$$

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

$$3/5 + 5/6 = \qquad 5 \ 3/7 + 2 \ 1/8 =$$

$$8/9 - 3/4 = \qquad 4 \ 2/3 - 2 \ 1/2 =$$

$$3/4 \times 4/7 = \qquad 2 \ 1/3 \times 1 \ 3/5 =$$

$$4/5 \div 2/3 = \qquad 1 \ 2/3 \div 2 \ 1/4 =$$

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

$$6^2 + 5^0 = \qquad \sqrt{169} + \sqrt{81} =$$

$$2^3 - 1^1 = \qquad \sqrt{256} - \sqrt{49} =$$

$$1^0 \times 7^2 = \qquad \sqrt{324} \times \sqrt{16} =$$

$$4^3 \div 8^1 = \qquad \sqrt{196} \div \sqrt{36} =$$

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

$$2 : 5 = \underline{R} : 7 \qquad 33 \ 1/3\% \text{ of } 15 \text{ is (G)}$$

$$\underline{S} : 3 = 9 : 6 \qquad (\text{E})\% \text{ of } 25 \text{ is } 13$$

$$3 : 7 = 4 : \underline{T} \qquad 66 \ 2.3\% \text{ of (D) is } 7$$

$$2 : \underline{V} = 8 : 6 \qquad (\text{K})\% \text{ of } 20 \text{ is } 23$$

Advanced Numbers * Problems E,F,G,H
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$$\underline{S} : 2 = 9 : 6 \qquad (\text{P})\% \text{ of } 20 \text{ is } 6$$

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