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BASIC MATH FOR MECHANICS PRETEST

Basic Math for Mechanics Pretest

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BASIC MATH FOR MECHANICS PRETEST

Addition of single whole numbers

9	8	5	8	2	0	4	6
<u>5</u>	<u>4</u>	<u>4</u>	<u>6</u>	<u>5</u>	<u>6</u>	<u>3</u>	<u>7</u>

$1 + 2 + 3 = \underline{\hspace{2cm}}$ $8 + 9 + 3 = \underline{\hspace{2cm}}$ $5 + 7 + 9 = \underline{\hspace{2cm}}$ $6 + 3 + 7 = \underline{\hspace{2cm}}$

Addition of multiple whole numbers

71	23	67	32	17	44	99	21
<u>+2</u>	<u>+7</u>	<u>+8</u>	<u>+9</u>	<u>+8</u>	<u>+2</u>	<u>+3</u>	<u>+4</u>

$17 + 99 + 38 = \underline{\hspace{2cm}}$ $67 + 55 + 51 = \underline{\hspace{2cm}}$ $96 + 77 + 36 = \underline{\hspace{2cm}}$ $65 + 89 = \underline{\hspace{2cm}}$

$191 + 999 = \underline{\hspace{2cm}}$ $123 + 345 + 367 = \underline{\hspace{2cm}}$ $436 + 678 + 890 = \underline{\hspace{2cm}}$

BASIC MATH FOR MECHANICS PRETEST

Subtraction of single whole numbers

$$\begin{array}{r} 9 \\ \underline{5} \end{array} \quad \begin{array}{r} 6 \\ \underline{2} \end{array} \quad \begin{array}{r} 5 \\ \underline{3} \end{array} \quad \begin{array}{r} 8 \\ \underline{6} \end{array} \quad \begin{array}{r} 4 \\ \underline{1} \end{array} \quad \begin{array}{r} 7 \\ \underline{2} \end{array} \quad \begin{array}{r} 5 \\ \underline{3} \end{array} \quad \begin{array}{r} 8 \\ \underline{4} \end{array}$$

$$\begin{array}{r} 29 \\ \underline{-9} \end{array} \quad \begin{array}{r} 31 \\ \underline{-8} \end{array} \quad \begin{array}{r} 99 \\ \underline{-4} \end{array} \quad \begin{array}{r} 78 \\ \underline{-6} \end{array} \quad \begin{array}{r} 56 \\ \underline{-5} \end{array} \quad \begin{array}{r} 43 \\ \underline{-7} \end{array} \quad \begin{array}{r} 14 \\ \underline{-5} \end{array} \quad \begin{array}{r} 80 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} 987 \\ \underline{-7} \end{array} \quad \begin{array}{r} 931 \\ \underline{-8} \end{array} \quad \begin{array}{r} 394 \\ \underline{-6} \end{array} \quad \begin{array}{r} 764 \\ \underline{-9} \end{array} \quad \begin{array}{r} 287 \\ \underline{-3} \end{array} \quad \begin{array}{r} 378 \\ \underline{-5} \end{array} \quad \begin{array}{r} 561 \\ \underline{-4} \end{array} \quad \begin{array}{r} 436 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} 176 \\ \underline{-55} \end{array} \quad \begin{array}{r} 432 \\ \underline{-36} \end{array} \quad \begin{array}{r} 217 \\ \underline{-77} \end{array} \quad \begin{array}{r} 973 \\ \underline{-68} \end{array} \quad \begin{array}{r} 437 \\ \underline{-59} \end{array} \quad \begin{array}{r} 561 \\ \underline{-87} \end{array} \quad \begin{array}{r} 888 \\ \underline{-45} \end{array} \quad \begin{array}{r} 809 \\ \underline{-35} \end{array}$$

$$888 - 799 = \underline{\hspace{2cm}} \quad 809 - 269 = \underline{\hspace{2cm}} \quad 201 - 109 = \underline{\hspace{2cm}} \quad 354 - 149 = \underline{\hspace{2cm}}$$

$$102 - 99 = \underline{\hspace{2cm}} \quad 345 - 48 = \underline{\hspace{2cm}} \quad 906 - 877 = \underline{\hspace{2cm}} \quad 567 - 329 = \underline{\hspace{2cm}}$$

BASIC MATH FOR MECHANICS PRETEST

Multiplication of single whole numbers

26 <u>x6</u>	41 <u>x9</u>	80 <u>x7</u>	56 <u>x6</u>	74 <u>x5</u>	88 <u>x2</u>	80 <u>x7</u>	13 <u>x3</u>
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989 <u>x 8</u>	671 <u>x 6</u>	608 <u>x 7</u>	500 <u>x 3</u>	123 <u>x 5</u>	987 <u>x 4</u>	567 <u>x 7</u>	159 <u>x 9</u>
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Multiplication of multi figure whole numbers

23 <u>x56</u>	62 <u>x21</u>	98 <u>x78</u>	45 <u>x12</u>	21 <u>x39</u>	36 <u>x67</u>	74 <u>x15</u>	81 <u>x11</u>
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121 <u>x897</u>	111 <u>x111</u>	375 <u>x847</u>	305 <u>x809</u>	960 <u>x123</u>	451 <u>x562</u>	649 <u>x958</u>	846 <u>x846</u>
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9 x 8 = _____

31 x 5 = _____

98 x 27 = _____

972 x 191 = _____

BASIC MATH FOR MECHANICS PRETEST

Division of single whole numbers

$$1 \overline{) 3}$$

$$2 \overline{) 6}$$

$$4 \overline{) 8}$$

$$3 \overline{) 9}$$

$$5 \overline{) 10}$$

$$8 \overline{) 64}$$

$$2 \overline{) 74}$$

$$9 \overline{) 54}$$

$$9 \overline{) 248}$$

$$7 \overline{) 686}$$

$$6 \overline{) 900}$$

$$5 \overline{) 965}$$

$$49 \div 7 = \underline{\hspace{2cm}}$$

$$36 \div 9 = \underline{\hspace{2cm}}$$

$$81 \div 9 = \underline{\hspace{2cm}}$$

BASIC MATH FOR MECHANICS PRETEST

Addition of decimals

$0.011 + 0.001 = \underline{\hspace{2cm}}$

$0.789 + 0.011 = \underline{\hspace{2cm}}$

$0.368 + 0.043 = \underline{\hspace{2cm}}$

$0.123 + 0.073 = \underline{\hspace{2cm}}$

$0.904 + 0.002 = \underline{\hspace{2cm}}$

$0.789 + 0.013 = \underline{\hspace{2cm}}$

$1.25 + 0.750 = \underline{\hspace{2cm}}$

$7.50 + 0.250 = \underline{\hspace{2cm}}$

$6.25 + 0.375 = \underline{\hspace{2cm}}$

$500.0 + .06875 = \underline{\hspace{2cm}}$

$437.5 + 0.4375 = \underline{\hspace{2cm}}$

$812.5 + 0.0312 = \underline{\hspace{2cm}}$

$1062.5 + 0.8125 = \underline{\hspace{2cm}}$

$68.375 + 7.6250 = \underline{\hspace{2cm}}$

$8.6250 + 6.5000 = \underline{\hspace{2cm}}$

$7.3125 + 0.1127 = \underline{\hspace{2cm}}$

$518.75 + 9.056 = \underline{\hspace{2cm}}$

$312.50 + 6.625 = \underline{\hspace{2cm}}$

$50.0 + 0.125 = \underline{\hspace{2cm}}$

$87.5 + 0.125 = \underline{\hspace{2cm}}$

$37.5 + 0.030 = \underline{\hspace{2cm}}$



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