

**DIVIDE:**

(1) $2\overline{)8}$ $6\overline{)54}$	(2) $4\overline{)1684}$ $3\overline{)1869}$	(3) $3\overline{)693}$ $2\overline{)46}$
(4) $5\overline{)5}$ $12\overline{)12}$	(5) $3\overline{)18300}$ $2\overline{)8040}$	(6) $3\overline{)1209}$ $8\overline{)5608}$
(7) $8 \div 1 =$ $6 \div 2 =$	(8) $2\overline{)9}$ $5\overline{)48}$	(9) $23\overline{)483}$ $32\overline{)992}$
(10) $3\overline{)1000}$ $9\overline{)80000}$	(11) $2\overline{)964}$ $7\overline{)31542}$	(12) $2\overline{)6140}$ $6\overline{)54036}$
(13) $9\overline{)41670}$ $3\overline{)17385}$	(14) $16\overline{)576}$ $25\overline{)925}$	(15) $21\overline{)1491}$ $34\overline{)16354}$
(16) $5\overline{)35156}$ $8\overline{)196506}$		(17) $5\overline{)151}$ $6\overline{)204183}$
(18) $17\overline{)359}$ $78\overline{)62644}$		(19) $37\overline{)15133}$ $46\overline{)231104}$
(20) $400\overline{)295600}$ $530\overline{)332840}$		(21) $924\overline{)580272}$ $395\overline{)302175}$

MULTIPLY:

(1) $\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$	(2) $\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ 9 \\ \hline \end{array}$	(3) $\begin{array}{r} 44 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ 3 \\ \hline \end{array}$
(4) $\begin{array}{r} 343 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 2212 \\ 4 \\ \hline \end{array}$	(5) $\begin{array}{r} 301 \\ 3 \\ \hline \end{array}$ $\begin{array}{r} 1303 \\ 2 \\ \hline \end{array}$	(6) $9 \times 9 =$ $7 \times 8 =$
(7) $\begin{array}{r} 52 \\ 3 \\ \hline \end{array}$ $\begin{array}{r} 91 \\ 7 \\ \hline \end{array}$	(8) $\begin{array}{r} 83 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} 34 \\ 4 \\ \hline \end{array}$	(9) $\begin{array}{r} 102 \\ 9 \\ \hline \end{array}$ $\begin{array}{r} 705 \\ 7 \\ \hline \end{array}$
(10) $\begin{array}{r} 54 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} 43 \\ 8 \\ \hline \end{array}$	(11) $\begin{array}{r} 241 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} 7140 \\ 6 \\ \hline \end{array}$	(12) $\begin{array}{r} 254 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} 7604 \\ 9 \\ \hline \end{array}$
(13) $\begin{array}{r} 35897 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 76097 \\ 8 \\ \hline \end{array}$	(14) $\begin{array}{r} 0 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ 0 \\ \hline \end{array}$	(15) $\begin{array}{r} 97 \\ 12 \\ \hline \end{array}$ $\begin{array}{r} 67 \\ 98 \\ \hline \end{array}$
(16) $\begin{array}{r} 52 \\ 30 \\ \hline \end{array}$ $\begin{array}{r} 769 \\ 80 \\ \hline \end{array}$	(17) $\begin{array}{r} 144 \\ 25 \\ \hline \end{array}$ $\begin{array}{r} 8046 \\ 97 \\ \hline \end{array}$	(18) $\begin{array}{r} 5602 \\ 100 \\ \hline \end{array}$ $\begin{array}{r} 94530 \\ 600 \\ \hline \end{array}$
(19) $\begin{array}{r} 53 \\ 321 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ 9878 \\ \hline \end{array}$	(20) $\begin{array}{r} 142 \\ 302 \\ \hline \end{array}$ $\begin{array}{r} 7205 \\ 906 \\ \hline \end{array}$
(21) $\begin{array}{r} 512 \\ 231 \\ \hline \end{array}$	$\begin{array}{r} 6498 \\ 987 \\ \hline \end{array}$	(22) $\begin{array}{r} 225 \\ 630 \\ \hline \end{array}$ $\begin{array}{r} 9637 \\ 670 \\ \hline \end{array}$

**SUBTRACT:**

(1) $\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ 8 \\ \hline \end{array}$	(2) $7 - 1 =$ $9 - 0 =$	(3) $\begin{array}{r} 19 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ 4 \\ \hline \end{array}$
(4) $\begin{array}{r} 58 \\ 4 \\ \hline \end{array}$ $\begin{array}{r} 79 \\ 3 \\ \hline \end{array}$	(5) $\begin{array}{r} 36 \\ 21 \\ \hline \end{array}$ $\begin{array}{r} 79 \\ 24 \\ \hline \end{array}$	(6) $\begin{array}{r} 12 \\ 6 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ 2 \\ \hline \end{array}$
(7) $\begin{array}{r} 15 \\ 13 \\ \hline \end{array}$ $\begin{array}{r} 19 \\ 12 \\ \hline \end{array}$	(8) $59 - 2 =$ $86 - 4 =$	(9) $\begin{array}{r} 346 \\ 215 \\ \hline \end{array}$ $\begin{array}{r} 836 \\ 302 \\ \hline \end{array}$
(10) $\begin{array}{r} 189 \\ 45 \\ \hline \end{array}$ $\begin{array}{r} 399 \\ 70 \\ \hline \end{array}$	(11) $\begin{array}{r} 61 \\ 2 \\ \hline \end{array}$ $\begin{array}{r} 75 \\ 9 \\ \hline \end{array}$	(12) $\begin{array}{r} 56 \\ 48 \\ \hline \end{array}$ $\begin{array}{r} 42 \\ 36 \\ \hline \end{array}$
(13) $\begin{array}{r} 92 \\ 64 \\ \hline \end{array}$ $\begin{array}{r} 42 \\ 19 \\ \hline \end{array}$	(14) $\begin{array}{r} 528 \\ 64 \\ \hline \end{array}$ $\begin{array}{r} 292 \\ 34 \\ \hline \end{array}$	(15) $\begin{array}{r} 1067 \\ 237 \\ \hline \end{array}$ $\begin{array}{r} 4498 \\ 825 \\ \hline \end{array}$
(16) $\begin{array}{r} 624 \\ 193 \\ \hline \end{array}$ $\begin{array}{r} 852 \\ 308 \\ \hline \end{array}$	(17) $\begin{array}{r} 431 \\ 162 \\ \hline \end{array}$ $\begin{array}{r} 963 \\ 594 \\ \hline \end{array}$	(18) $\begin{array}{r} 950 \\ 376 \\ \hline \end{array}$ $\begin{array}{r} 507 \\ 221 \\ \hline \end{array}$
(19) $\begin{array}{r} 9546 \\ 8687 \\ \hline \end{array}$ $\begin{array}{r} 9653 \\ 2954 \\ \hline \end{array}$	(20) $\begin{array}{r} 5941 \\ 968 \\ \hline \end{array}$ $\begin{array}{r} 6805 \\ 978 \\ \hline \end{array}$	(21) $\begin{array}{r} 132428 \\ 38679 \\ \hline \end{array}$ $\begin{array}{r} 823533 \\ 245838 \\ \hline \end{array}$
(22) $\begin{array}{r} 10000 \\ 8192 \\ \hline \end{array}$ $\begin{array}{r} 80030 \\ 46759 \\ \hline \end{array}$		

**PUPIL'S WORK SHEET**  
**Diagnostic Chart for Fundamental Processes in Arithmetic**  
 Prepared by G. T. Buswell and Lenore John

**ADD:** School \_\_\_\_\_ Name \_\_\_\_\_

<p>(1)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 20px;">5</td> <td style="text-align: right;">6</td> </tr> <tr> <td style="text-align: right;">2</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="text-align: right;">—</td> <td style="text-align: right;">—</td> </tr> </table>	5	6	2	3	—	—	<p>(2)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 20px;">2</td> <td style="text-align: right;">8</td> </tr> <tr> <td style="text-align: right;">9</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="text-align: right;">—</td> <td style="text-align: right;">—</td> </tr> </table>	2	8	9	4	—	—	<p>(3)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 20px;">12</td> <td style="text-align: right;">13</td> </tr> <tr> <td style="text-align: right;">2</td> <td style="text-align: right;">5</td> </tr> <tr> <td style="text-align: right;">—</td> <td style="text-align: right;">—</td> </tr> </table>	12	13	2	5	—	—																										
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