



Warm up Grade 6

Date: Nov 18



1) Multiply (show work)

a) 
$$\begin{array}{r} 3 \\ 45 \\ \times 7 \\ \hline 315 \end{array}$$

b) 
$$\begin{array}{r} 44 \\ 367 \\ \times 6 \\ \hline 2202 \end{array}$$

c) 
$$\begin{array}{r} 2 \\ 28 \\ \times 31 \\ \hline 28 \\ + 840 \\ \hline 868 \end{array}$$

d) 
$$\begin{array}{r} 4 \\ 57 \\ \times 63 \\ \hline 171 \\ + 3420 \\ \hline 3591 \end{array}$$

2) Use long division (show work)

$1487 \div 2$

$$\begin{array}{r} 743 \text{ R1} \\ 2 \overline{) 1487} \\ \underline{-14} \phantom{0} \\ 08 \\ \underline{-8} \phantom{0} \\ 07 \\ \underline{-6} \phantom{0} \\ 1 \end{array}$$

Ex

$$\begin{array}{r} 187 \text{ R1} \\ 3 \overline{) 562} \\ \underline{-3} \phantom{0} \\ 26 \\ \underline{-24} \phantom{0} \\ 22 \\ \underline{-21} \phantom{0} \\ 1 \end{array}$$

$567 \div 3 = 187 \text{ R1}$

Ex3)

$643 \div 4 = 160 \text{ R3}$

DMSBR

$$\begin{array}{r} 160 \\ 4 \overline{) 643} \\ \underline{-4} \phantom{0} \\ 24 \\ \underline{-24} \phantom{0} \\ 03 \\ \underline{-0} \phantom{0} \\ 3 \text{ R} \end{array}$$

Ex)

$8461 \div 3$

$$\begin{array}{r}
 \overset{1}{\times} 76 \\
 \times 24 \\
 \hline
 304 \\
 + 1520 \\
 \hline
 1824
 \end{array}$$

$$\begin{array}{r}
 \overset{4}{\times} 85 \\
 \times 84 \\
 \hline
 .340 \\
 + 6800 \\
 \hline
 7140
 \end{array}$$

.

Worksheet 2 digit or more multiplication

Show work with long multiplication

$$\begin{array}{r} \textcircled{1) 67} \\ \times 24 \\ \hline 268 \\ + 1340 \\ \hline 1608 \end{array}$$

$$\begin{array}{r} \textcircled{2) 29} \\ \times 31 \\ \hline 29 \\ + 870 \\ \hline 899 \end{array}$$

$$\begin{array}{r} \textcircled{3) 78} \\ \times 42 \\ \hline 156 \\ + 3120 \\ \hline 3276 \end{array}$$

$$\begin{array}{r} \textcircled{4) 85} \\ \times 75 \\ \hline 425 \\ + 5950 \\ \hline 5950 \end{array}$$

$$\begin{array}{r} 5) 23 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 6) 12 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 7) 285 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 8) 129 \\ \times 64 \\ \hline \end{array}$$

Calculate product with area model (area model)

$\textcircled{9) 92 \times 48}$

	90	2
40	$90 \times 40 = 3600$	$2 \times 40 = 80$
8	$9 \times 40 = 720$	$8 \times 2 = 16$

$$\begin{array}{r} 3600 \\ 720 \\ 80 \\ + 16 \\ \hline 4416 \end{array}$$

$92 \times 48 = 4416$

$\textcircled{10) 27 \times 86}$

	20	7
80	$80 \times 20 = 1600$	$7 \times 80 = 560$
6	$6 \times 20 = 120$	$6 \times 7 = 42$

$$\begin{array}{r} 1600 \\ 560 \\ + 120 \\ + 42 \\ \hline 2322 \end{array}$$

$27 \times 86 = 2322$

11)  $345 \times 62$

## Worksheet 2 Continues Quotient

Show work with long division (Show any remainders)

①  $458 \div 7$

$$\begin{array}{r} 65 \\ 7 \overline{) 458} \\ \underline{-42} \phantom{0} \\ 38 \\ \underline{-35} \\ 3 \text{ R} \end{array}$$

2)  $240 \div 9$

3)  $187 \div 2$

4)  $936 \div 5$

5)  $3904 \div 4$