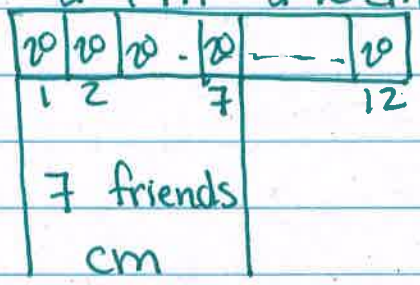
M2L20 - Dividing w/ 2-Digit Divisor

Application Problem

Seven friends will get 140 cm of ribbon.

ribbon 2.4 m = 240 cm



2.4 m = 240 cm
E 2.4 x (1 m)
C 2.4 x (100 cm)
A 240 cm

240 cm ÷ 12 = 20
20 x 7 = 140 cm

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72 ÷ 21

Est

60 ÷ 20 = 3

20, 40, 60, 80
*

21
x 3
63

Solve

3 r 9
21) 72
63
9

Check

21 – Divisor
x 3 – Quotient
63
+ 9 – Remainder
72 – Dividend

94 ÷ 43

Est

80 ÷ 40 = 2

40, 80, 120

43 × 2 = 86

Solve

$$\begin{array}{r} 2\text{ r }8 \\ 43\overline{)94} \\ -86 \\ \hline 8 \end{array}$$

Check

$$\begin{array}{r} 43 \\ \times\ 2 \\ \hline 86 \\ +\ 8 \\ \hline 94 \end{array}$$

84 ÷ 23

Est.

80 ÷ 20 = 4

20, 40, 60, 80, 100

23 × 4 = 92

23 × 3 = 69

Solve

$$\begin{array}{r} 3\text{ r }15 \\ 23\overline{)84} \\ -69 \\ \hline 15 \end{array}$$

Check

$$\begin{array}{r} 23 \\ \times\ 3 \\ \hline 69 \\ +\ 15 \\ \hline 84 \end{array}$$

57 ÷ 29

Est

60 ÷ 30 = 2

29 × 2 = 58

Solve

$$\begin{array}{r} 1\text{ r }28 \\ 29\overline{)57} \\ -29 \\ \hline 28 \end{array}$$

Check

$$\begin{array}{r} 29 \\ \times\ 1 \\ \hline 29 \\ +\ 28 \\ \hline 57 \end{array}$$

Name _____ Date _____

1. Divide. Then, check with multiplication. The first one is done for you.

a. 65 ÷ 17

$$\begin{array}{r} 3\ R\ 14 \\ 17\overline{)65} \\ -\ 51 \\ \hline 14 \end{array}$$

Check:

17 × 3 = 51

51 + 14 = 65

b. 49 ÷ 21

c. 78 ÷ 39

78 ÷ 39

80 ÷ 40 = 2

$$\begin{array}{r} 39 \\ \times\ 2 \\ \hline 78 \end{array}$$

$$\begin{array}{r} 2 \\ 39\overline{)78} \\ 78 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 39 \\ \times\ 2 \\ \hline 78 \end{array}$$

d. 84 ÷ 32

84 ÷ 32

60 ÷ 30 = 2

$$\begin{array}{r} 2 \\ 32\overline{)84} \\ 64 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 32 \\ \times\ 2 \\ \hline 64 \\ +\ 20 \\ \hline 84 \end{array}$$

e. 77 ÷ 25

f. 68 ÷ 17

60 ÷ 20 = 3

$$\begin{array}{r} 2 \\ 17 \\ \times\ 3 \\ \hline 51 \end{array}$$

$$\begin{array}{r} 2 \\ 17 \\ \times\ 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 3 \\ 17\overline{)68} \\ 51 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 4 \\ 17\overline{)68} \\ -68 \\ \hline 0 \end{array}$$