



Subject: Math 3

Topic: Division of 3-digit dividend by a 1-digit divisor (without remainder)

B Division of a 3-digit dividend by a 1-digit divisor

Dividing without a remainder

$$544 \div 4 = \boxed{}$$

Long division method:

Working:

Step 1: Divide the hundreds.

$$\begin{array}{r} 1 \\ 4 \overline{)544} \\ \underline{4} \\ 1 \end{array}$$

Step 2: Divide the tens.

$$\begin{array}{r} 13 \\ 4 \overline{)544} \\ \underline{4} \\ 14 \\ \underline{12} \\ 2 \end{array}$$

Step 3: Divide the ones.

$$\begin{array}{r} 136 \\ 4 \overline{)544} \\ \underline{4} \\ 14 \\ \underline{12} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

So, $544 \div 4 = 136$

Short division method:

$$\begin{array}{r} 1 \\ 4 \overline{)544} \\ 1 \end{array}$$

$$\begin{array}{r} 13 \\ 4 \overline{)544} \\ 13 \end{array}$$

$$\begin{array}{r} 136 \\ 4 \overline{)544} \\ 136 \end{array}$$

To check the answer:

$$136 \times 4 = 544$$

Therefore, the answer is correct.

Name: _____

Thursday 6th January 2022

Show your workings using long division method.

1. $2 \overline{) 234}$

2. $4 \overline{) 496}$

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