

Precalc – Warm Up – 1/24/11

Name: _____ Period: _____

1) Perform the following operations:

a) $4(10) =$

b)
$$\begin{array}{r} 18 \\ \times 6 \\ \hline \end{array}$$

c) $5 \overline{)80}$

d) $4 \overline{)48}$

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Precalc – How Does Math Work? – 1/24/11

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Students will be able to develop a strategy for solving an unknown problem.

The video proposes two methods for doing division:

Method 1

Method 2

$$5 \overline{)25}$$

$$5 \overline{)25}$$

You are going to convince us that one method is better than the other using the following format:

- 1) Strategy - First, you will think about what you are going to do and try to express what you will do without actually doing it.
- 2) Execute - Next, you'll actually try your strategy and see what happens.
- 3) Evaluate - Look back at what happened and decide if you were successful or not and if you need to change anything.
- 4) Communicate - Tell us what you did (in writing and/or verbally) so that we can learn from your experience or help you.

Strategy:_____

Execution:

Evaluation:What did you learn? Did you get stuck? What else might you need to know? What else are you interested in learning?

Problem #2

One of Mr. Monte-Sano's children asked him the following subtraction problem

$$\begin{array}{r} 24 \\ -37 \\ \hline \end{array}$$

You are going to convince us that this method is either valid (true) or not valid (not true) by the following process:

- 1) Strategy - First, you will think about what you are going to do and try to express what you will do without actually doing it.
- 2) Execute - Next, you'll actually try your strategy and see what happens.
- 3) Evaluate - Look back at what happened and decide if you were successful or not and if you need to change anything.
- 4) Communicate - Tell us what you did (in writing and/or verbally) so that we can learn from your experience or help you.

Strategy:_____

Execution:

Evaluation: What did you learn? Did you get stuck? What else might you need to know? What else are you interested in learning?

Precalc – Exit Slip – 1/24/11

Name: _____

Period: _____

1) Consider the following problem:

$$\frac{1}{2} + \frac{1}{4} =$$

Mr. Monte-Sano can never remember the rules for fraction addition and he wants you to convince him that his method either valid or not valid. His method for adding fractions is below.

$$\frac{1}{2} + \frac{1}{4} = \frac{2}{6}$$

Strategy: _____

Execution:

Evaluation: What did you learn? Did you get stuck? What else might you need to know? What else are you interested in learning?
