

STEP 9: FORMAL METHODS DIVIDE INTEGERS

Find the missing numbers in these calculations:

$$1) \begin{array}{r} 0688 \\ 6 \overline{) 2235248} \end{array}$$

$$2) \begin{array}{r} 0406 \\ 3 \overline{) 1218} \end{array}$$

$$3) \begin{array}{r} 873 \\ 9 \overline{) 786536} \end{array}$$

$78 \div 9 = 8 \text{ r } 6$

Rules for division
Fill in the rules for:

$$\div 2 \quad \underline{\text{ends in } 0, 2, 4, 6 \text{ or } 8}$$

$$\div 3 \quad \underline{\text{all the digits add to a number } \div 3}$$

$$\div 6 \quad \underline{\text{if } \div 2 \text{ and } \div 3 \text{ then it is } \div 6}$$

STEP 10: FORMAL METHODS DIVIDE DECIMALS

$$1) 8.46 \div 2$$

$$\begin{array}{r} 4.23 \\ 2 \overline{) 8.46} \end{array}$$

$$2) 14.21 \div 7$$

$$\begin{array}{r} 02.03 \\ 7 \overline{) 14.21} \end{array}$$

$$3) 5.2 \div 2$$

$$\begin{array}{r} 2.6 \\ 2 \overline{) 5.2} \end{array}$$

$$4) 6.39 \div 3$$

$$\begin{array}{r} 2.13 \\ 3 \overline{) 6.39} \end{array}$$

$$5) 82.468 \div 4$$

$$\begin{array}{r} 20.617 \\ 4 \overline{) 82.468} \end{array}$$

STEP 11: ORDER OF OPERATIONS

For each calculation, highlight which step you complete first, then calculate

$$1) 7 - 2 \times 5 = -3$$

↳ an example!

$$6) (7 \times 2) - (8 \div 2) = 10$$

$$2) 5 \times 10 - 2 = 48$$

$$7) (15 - 2^2) \times \frac{8}{2} = 44$$

$$3) (7 \times 2) - 7 = 7$$

$$8) \frac{10}{2} \times (7 - 3^2) = -10$$

$$4) 3^2 + 2 \times 8 = 25$$

$$9) (7^2 + 1) - (8 \div 2 - 1) = 47$$

$$5) 16 \div 2 + 2^2 = 12$$

$$9) (7^2 + 1) - (8 \div 2 - 1) = 47$$

STEP 12: AREA OF RECTANGLES & PARALLELOGRAMS

Find the area of these shapes:

