

9. Standard Algorithm examples

$$245 \div 5 = 49$$

	40	9
5	200	45

245

$$\begin{array}{r} 049 \\ 5 \overline{) 245} \\ \underline{0} \\ 24 \\ \underline{20} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

$$726 \div 4 = 181.5$$

	100	80	1	.5
4	500	320	4	20

726

$$\begin{array}{r} 181.5 \\ 4 \overline{) 726.0} \\ \underline{4} \\ 32 \\ \underline{32} \\ 06 \\ \underline{4} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$$\begin{array}{r} 4 \\ 8 \\ 12 \\ 16 \\ 20 \\ 24 \\ 28 \\ 32 \end{array}$$

$$39 \div 5 =$$

$$\begin{array}{r} 07.8 \\ 5 \overline{) 39.0} \\ \underline{0} \\ 39 \\ \underline{35} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

	7	.8
5	35	40

39

$$22.4 \div 8 =$$

$$\begin{array}{r} 02.8 \\ 8 \overline{) 22.4} \\ \underline{0} \\ 22 \\ \underline{16} \\ 64 \\ \underline{64} \\ 0 \end{array}$$

	2	.8
8	16	4

22.4

10. Wait, every division problem can be a what?!

$$8 \div 10 = \frac{8}{10}$$

$$\begin{array}{r} 0.8 \\ 10 \overline{) 8.0} \\ \underline{0} \\ 80 \\ \underline{80} \\ 0 \end{array}$$

$$4 \div 10 = \frac{4}{10}$$

$$\begin{array}{r} 0.4 \\ 10 \overline{) 4.0} \\ \underline{0} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$3 \div 100 = \frac{3}{100}$$

$$\begin{array}{r} 0.03 \\ 100 \overline{) 3.00} \\ \underline{0} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

$$6 \div 100 = \frac{6}{100}$$

$$\begin{array}{r} 0.06 \\ 100 \overline{) 6.00} \\ \underline{0} \\ 60 \\ \underline{60} \\ 0 \end{array}$$

$$5 \div 10 = \frac{5}{10}$$

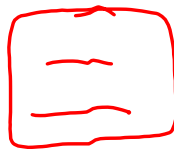
$$\begin{array}{r} 0.5 \\ 10 \overline{) 5.0} \\ \underline{0} \\ 50 \\ \underline{50} \\ 0 \end{array}$$

$$1 \div 2 = \frac{1}{2}$$

$$\begin{array}{r} 0.5 \\ 2 \overline{) 1.0} \\ \underline{0} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

$$25 \div 100 = \frac{25}{100}$$

$$\begin{array}{r} 00.25 \\ 100 \overline{) 25.00} \\ \underline{0} \\ 25 \\ \underline{0} \\ 250 \\ \underline{200} \\ 500 \\ \underline{500} \\ 0 \end{array}$$



$$1 \div 4 = \frac{1}{4}$$

$$\begin{array}{r} 0.25 \\ 4 \overline{) 1.00} \\ \underline{0} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

4-1
8-2
12-3
16-4
20-5