

Quick mental maths

$$350 \div 10 = \quad \frac{200}{10} =$$

$$4250 \div 10 = \quad \frac{1200}{10} = \quad \frac{630}{10} =$$

$$70 \div 10 =$$

$$900 \div 10 = \quad 10 \overline{)6650} \quad 10 \overline{)340}$$

Quick mental maths

$$17000 \div 100 = \quad \frac{2500}{100} =$$

$$1240 \div 10 = \quad \frac{5060}{10} = \quad \frac{1030}{10} =$$

$$70,100 \div 100 =$$

$$900 \div 100 = \quad 100 \overline{)60,800} \quad 10 \overline{)8040}$$

To be able to divide by 10, 100 and 1,000

ACTIVITY 1:

Complete these calculations using counters and a place-value grid.

a) $7,200 \div 100 = \underline{\quad}$

b) $16,000 \div 10 = \underline{\quad}$

c) $\underline{\quad} = 882,000 \div 1,000$

d) $17,800 \div 10 = \underline{\quad}$

e) $91,000 \div 1,000 = \underline{\quad}$

f) $8,930 = 893,000 \div \underline{\quad}$

TALKING TIME:

How would you complete the table?

Effect on the digits	Operation
Shift 2 places to the right	$\div 100$
Shift 1 place to the left	
	$\div 1,000$
Shift 3 places to the left	
	$\div 10$
Shift 2 places to the left	

ACTIVITY 2:

Complete each comparison using $>$, $<$ or $=$.

$$9,300 \div 100 \quad \bullet \quad 9,300 \div 10$$

$$370,000 \div 1,000 \quad \bullet \quad 360,000 \div 1,000$$

$$48 \times 10 \quad \bullet \quad 480,000 \div 1,000$$

$$38,400 \div 100 \quad \bullet \quad 3,840 \div 10$$

$$160,000 \div 1,000 \quad \bullet \quad 160 \times 10$$

ACTIVITY 3:

Ola says,

The way I remember how many places to shift the digits when dividing by 10, 100 or 1,000 is to count the number of zeros in the number I am dividing by!

Does Ola's method always work?
