Division using the expanded written method

Use the expanded written method to calculate TO ÷ O

Write five multiples of each of these numbers.

40 50 30 80 20

Example

$30 \rightarrow 90, 120, 270...$

1 Choose three numbers. Divide each number by 3 using the expanded written method of division. Estimate the answer first.

45 72 48 75 54 81

Example

$72 \div 3 \rightarrow 20$

$$
\begin{array}{r}
2\ \ 4 \\
3\,\overline{)7\ \ 2} \\
6\ \ 0 \quad 20 \times 3 \\
\hline
1\ \ 2 \\
1\ \ 2 \quad 4 \times 3 \\
\hline
0
\end{array}
$$

2 Choose three numbers. Divide each number by 5 using the expanded written method of division. Estimate the answer first.

65 80 60 75 90 85

3 Choose three numbers. Divide each number by 2 using the expanded written method of division. Estimate the answer first.

34 78 56 38 50 92

4 Check one of your answers from each set using the inverse operation. Choose the method of multiplication you find the easiest.

One of the calculations in each set is the odd one out. Can you find it? Explain why it is the odd one.

a $96 \div 4$
$72 \div 3$
$85 \div 5$
$48 \div 2$

b $68 \div 4$
$81 \div 3$
$74 \div 2$
$95 \div 5$