

Division using the most efficient method



Use the most efficient method to calculate $HTO \div O$

Challenge 1

Look at each of these number sentences.
Use the symbols $<$, $=$ or $>$ to make each statement true.

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|----------|-------------|-------------|----------|---------------|--------------|----------|-------------|--------------|
| a | $45 \div 9$ | $36 \div 4$ | b | $44 \div 11$ | $32 \div 8$ | c | $72 \div 8$ | $54 \div 6$ |
| d | $48 \div 1$ | $16 \div 2$ | e | $56 \div 8$ | $24 \div 4$ | f | $63 \div 9$ | $24 \div 3$ |
| g | $28 \div 7$ | $28 \div 4$ | h | $560 \div 10$ | 7×8 | i | $48 \div 4$ | 9×1 |

Challenges 2,3

Sort these calculations into two groups: those you would work out mentally and those where you would use a written method. Then work out the answer to each calculation using the most efficient method. For the calculations that need a written method, use the formal written method and remember to estimate the answer first.

$447 \div 3$	$693 \div 7$	$296 \div 4$	$848 \div 4$	$425 \div 5$
$666 \div 3$	$176 \div 4$	$497 \div 7$	$352 \div 8$	$567 \div 9$
$336 \div 3$	$252 \div 6$	$632 \div 4$	$752 \div 8$	$539 \div 7$

Challenge 3

Choose three of your calculations from Challenges 2,3. Write a word problem using the ideas in the boxes below.

