

Division HTO \div O using partitioning



Use partitioning to calculate HTO \div O

Challenge 1

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|-----------------------|------------------------|------------------------|------------------------|
| 1 a $8 \div 2$ | 2 a $42 \div 7$ | 3 a $48 \div 8$ | 4 a $54 \div 6$ |
| b $80 \div 2$ | b $420 \div 7$ | b $480 \div 8$ | b $540 \div 6$ |
| c $800 \div 2$ | c $4200 \div 7$ | c $4800 \div 8$ | c $5400 \div 6$ |

Challenge 2

- 1** Choose three numbers from the circles. Divide each number by 3 using the mental partitioning method of division.

Example
 $186 \div 3 = (180 \div 3) + (6 \div 3)$
 $= 60 + 2$
 $= 62$



- 2** Choose three numbers from the circles. Divide each number by 6 using the mental partitioning method of division.












- 3** Choose three numbers from the circles. Divide each number by 4 using the mental partitioning method of division.



Challenge 3

- 1** Oh no! The ink pot has spilled. Find the missing numbers.

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|--|--|---|
| a $164 \div 4 =$  | b $279 \div$  $= 93$ | c $455 \div 5 =$  |
| d $246 \div$  $= 41$ | e $369 \div$  $= 41$ | f $208 \div 4 =$  |
| g $364 \div 4 =$  | h  $\div 7 = 71$ | i  $\div 8 = 31$ |

- 2** Explain how you worked out the numbers covered by the ink in questions **h** and **i**