

Written addition (5)



- Add numbers with up to 4 digits using the formal written method of columnar addition
- Estimate and use inverse operations to check answers to a calculation

Challenge 1

1 Estimate the answers to these calculations and then work them out.

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|------------------------|------------------------|------------------------|
| a $568 + 317$ | b $492 + 365$ | c $1264 + 1383$ |
| d $1469 + 1218$ | e $1426 + 1832$ | f $1372 + 1451$ |

2 Estimate the answers to these calculations and then work them out.

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|------------------------|------------------------|------------------------|
| a $643 + 269$ | b $548 + 394$ | c $1527 + 2615$ |
| d $1364 + 2277$ | e $2906 + 1356$ | f $2364 + 1807$ |

Challenge 2

1 Estimate the answers to these calculations and then work them out.

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|------------------------|------------------------|------------------------|
| a $2867 + 1354$ | b $3827 + 2376$ | c $3716 + 2495$ |
| d $4386 + 3824$ | e $5294 + 2817$ | f $6528 + 2694$ |

2 Estimate the answers to these calculations and then work them out. Think carefully about how you lay them out.

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|-----------------------|-----------------------|-----------------------|
| a $3854 + 326$ | b $2384 + 548$ | c $3072 + 943$ |
| d $4575 + 819$ | e $5836 + 784$ | f $6532 + 849$ |

3 Check your calculations using the inverse operation.

Challenge 3

1 Estimate the answers to these calculations and then work them out.

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|-----------------------|-----------------------|-----------------------|-----------------------|
| a $5718 + 544$ | b $5006 + 799$ | c $6761 + 853$ | d $5873 + 578$ |
| e $4999 + 604$ | f $5782 + 459$ | g $5998 + 699$ | h $7397 + 764$ |

2 Check your calculations using the inverse operation.

3 Which of the calculations in Question 1 could you work out more efficiently mentally?

