

# Year 5 Estimate and Approximate – Guidance for Parents

## Activity:

The aim of this activity is for children to practise rounding numbers in various ways to estimate an approximate total.

## Vocabulary:

**Estimate** is to make a sensible guess at what the answer could be. You usually estimate the answer by rounding the numbers to make the calculation easier. Another word for estimate is **approximate**.

## Supporting resources:

You can watch a video tutorial about estimating and approximating numbers on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> **Year 5 >> Maths >> Place Value >> Video Tutorials**.

You can watch the answer explanation video which takes children through this activity and ways to answer it on [https://www.youtube.com/user/ClassroomSecretsLtd/](https://www.youtube.com/user/ClassroomSecretsLtd/playlists) **playlists >> Year 5 Playlist >> Estimate and Approximate Answer Explanation**.

## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [kids.classroomsecrets.co.uk/membership](https://kids.classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 5 home learning activities on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.**

## Estimate and Approximate

Managers of the food chain, Maccydoodles, are estimating the total takings for the day at 6 of their restaurants.

| <u>Restaurant</u> | <u>Total takings</u> |
|-------------------|----------------------|
| Manchester        | £682.65              |
| Halifax           | £3,937               |
| London            | £7,435               |
| Newcastle         | £2,364               |
| Cardiff           | £4,824               |
| Edinburgh         | £794.61              |

Use your knowledge of rounding to explore three approximate totals for all of the restaurants combined. **Accept any answer where the totals have been rounded accurately. Some examples are given below.**

| <u>Restaurant</u> | <u>Nearest 10</u> |
|-------------------|-------------------|
| Manchester        | £680              |
| Halifax           | £3,940            |
| London            | £7,440            |
| Newcastle         | £2,360            |
| Cardiff           | £4,820            |
| Edinburgh         | £790              |
| <u>Total</u>      | £20,030           |

| <u>Restaurant</u> | <u>Nearest 100</u> |
|-------------------|--------------------|
| Manchester        | £700               |
| Halifax           | £3,900             |
| London            | £7,400             |
| Newcastle         | £2,400             |
| Cardiff           | £4,800             |
| Edinburgh         | £800               |
| <u>Total</u>      | £20,000            |

| <u>Restaurant</u> | <u>Nearest 1,000</u> |
|-------------------|----------------------|
| Manchester        | £1,000               |
| Halifax           | £4,000               |
| London            | £7,000               |
| Newcastle         | £2,000               |
| Cardiff           | £5,000               |
| Edinburgh         | £1,000               |
| <u>Total</u>      | £20,000              |