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| **Tutor name: Marsida Horeshka** |
| **Date: 09.10.2019** | **Time: 9:30 – 12:00** | **Curriculum Area:****Maths CLA1b** | **Course and level: Maths Functional Skills Entry 3** |
| **Title/topic: Decimals** |
| **Learning outcomes:** (use Bloom’s Taxonomy to identify skills and knowledge being developed)By the end of the session learners will be able to:Read decimals with up to 2 decimal places Write decimals with up to 2 decimal places Order and compare decimals Recognise and continue sequences that involve decimals Apply place value skills to solve real-life problems Assess scenarios to find solutions to complex problems Find errors in common mistake questions |
| **Individual learners’ needs and how these will be met in general:** (For example, seating plans, groupings, scaffolding, directed use of LSA/volunteer, stretch and challenge, graduated activities, extensions etc.)Café style tables.3 learners with learning difficulties. The TA to help who ever needs help.Mixed groups and split by ability. |
| **How key themes will be incorporated:** (PREVENT, British Values, Equality and Diversity, Health and Safety, Safeguarding, eSafety, physical and mental health)**eSafety – creating a strong password** |

** Session Plan**

| **Time** | **Learning outcome** | **Resources, including ILT**  | **Differentiated activities, including specific challenge and support for named learners** | **Wider Skills Dev’t**(Employability, IT, English, Maths, active citizenship, CEIAG, resilience etc) | **Assessment****Methods** |
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| 9:20-9:309:30-9:359:35 – 9:459:45-10:1010:10-10-1510:15-10:4510:45-10:5011:00-11:1511:15-10:3011:30-10:4510:45-12:00 | Recap multiplicationIntro to the topicRepresent decimals on bars.Assessing starting pointsDemonstrationRead decimals with up to 2 decimal places Write decimals with up to 2 decimal places Order and compare decimals Recognise and continue sequences that involve decimals Apply place value skills to solve real-life problems Assess scenarios to find solutions to complex problems Find errors in common mistakeUpdate their career plan | Game boardPPTPrintoutKahootPPTReceipts, cards, mini whiteboards, markers, phone/tablesItems around the room, number cardsTablets/phones, post-itsPrintoutprintoutKahootETrackr, computers | Dice multiplication activity. Learner play in pairs and write answers to times table questions on their board. They check with a calculator.Intro to the topic; elicit uses of decimals in everyday life; think-pair-share what could go wrong if not knowing how to count, read, write, order and compare numbers / share short video of uses of decimals.Starter activity: Representing decimals on a bar. Learners do this individually and compare in pairs. Differentiate dby the number of bars.[[[[Quick](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e) **[quiz](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e)** [to assess the starting points](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e)](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e)](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e)](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e)  stop after each question to give quick pointers but not long as everyone will spend time to develop these skills in the lesson.Demo: Using base 10 blocks/ units-tens-hundreds columns to extend to tenths and hundredthsLearners work individually/ in pairs and groups to develop these skills. [Activities](https://baesacuk.sharepoint.com/%3Af%3A/s/teams/maths/EnqRerfCnMNBqzeFeFbA0egBPRAyEFaSJucNsB7G7tpuvg?e=UnHIa4):-counting items around the room-read/write numbers up to 1000. One writes the other reads, one reads the other writes. -order and compare numbers; learners are given numbers to be put in order.- use MyMaths/MathBase/BKSB to develop these skills[Mastery/Greater Master box/booklet with questions](https://baesacuk.sharepoint.com/%3Af%3A/s/teams/maths/EsXqkZ1cta9Iqkcq2x52WZ0B736PLp-XhlzgTrALDKMxqg?e=4vpnww)Application – Find the most expensive/cheapest item in the room. Price stars stuck on items. Learner find the most expensive/cheapest and place all in order. Challenge: can you din a price between this and this in value. [**Reasoning and problems-solving:**](https://baesacuk.sharepoint.com/%3Af%3A/s/teams/maths/Em3I5BaXuIBKo1eAKr171B8BhRWh9N8TwrojD6QwjLi09Q?e=6dM19o)Timed individual activity; learners compare answers in pairs; whole class discussion. Challenge: is there another method? Can you explain..?**[Misconceptions activity](https://baesacuk.sharepoint.com/%3Af%3A/s/teams/maths/EkOCpCyLimhEliDVgRdYrf4BV0Jsd9MCQLGYtkxHd3d2lA?e=B6CYYw)**[:](https://baesacuk.sharepoint.com/%3Af%3A/s/teams/maths/EkOCpCyLimhEliDVgRdYrf4BV0Jsd9MCQLGYtkxHd3d2lA?e=B6CYYw) Learners do these individually and discuss in groups; whole class discussion.Redo [quiz](https://create.kahoot.it/kahoots/team-kahoots/folder/89a85bb4-a0c7-4f37-b0c5-5b84985edd4e) to assess learning points – may pick a higher level than the starting one.Reflection Access eTrackr using Laptops – changing password to make them stronger. Recap what makes a password strong. Learner can help each other with computers, I help one to one too. | English: decimals, decimal point, decimals places          E&D British Values IndependenceIndependenceITITeSafety, IT | Qestioning, SA, PAQuestioningQuiz, Questioning, SA, PAQuiz, Questioning, SA, PAObservation, Questioning, SA, PAQuestioning, SA, PA, PPPBQuestioning, SA, PA, PPPBQuestioning, SA, PA, PPPBQuestioning, SA, PA, PPPBQuiz, Questioning, SA, PA, PPPBObservation, questioningObservation, questioning |
| Closing activity/Learning outside the classroom. | E.g. How will Knowledge and Skills learnt be applied? | Printed questions | Homework on reasoning and problem-solving and misconceptions of place value. | Independence | PA, SA, whole class discussion |

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| **Evaluation of learner progress in the session** | **How this will be addressed next session** |
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