Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 1

LO: TBAT draw using scales.

Task: From this week your tasks will be different. We are now introducing a
project which needs to be completed alongside arithmetic and reasoning problems.

Success Criteria:

1. **Complete the addition reasoning problems.**
2. **Recap arithmetic methods.**
3. **Apply your knowledge of measurements to create a drawing.**

Task 1	Task 2	Task 3
Problem solving	**Arithmetic**	**Project**

Task 1 — Problem solving

1. Jamie takes three parcels to be posted.
   One parcel has a mass of 750 g
   Another weighs 2.8 kg

   The total mass of the three parcels is 5.13 kg
   What is the mass of the third parcel?

2. Grace, Ellie and Alfie bought 5 pizzas to share.

   Grace ate $1\frac{1}{2}$ pizzas.

   Ellie ate $1\frac{2}{3}$ pizzas.

   And Alfie ate the rest.

   How many pizzas did Alfie eat?
   Write the missing fractions.

3. $1\frac{3}{5}$ + $\frac{3}{10}$ + $\boxed{}$ = $2\frac{7}{10}$

   $2\frac{3}{4}$ + $\boxed{}$ − $\frac{1}{5}$ = 3

4. Write the missing numbers

   | 8,000,000 | is a **thousand** more than → | |

   | | is ten thousand less than → | 8,000,000 |

Task 2 — Arithmetic

1. $51 \times 0 =$
2. $540 - 1 =$
3. $87 + 22 + 46 =$
4. $2468 \times 1 =$
5. $481 + 59 =$
6. $63 \div 7 =$
7. $2 \times 3 \times 4 =$

Task 3 — Project

Building Mr and Mrs Smith's House!

You have been hired to design a house for Mr and Mrs Smith. Mr and Mrs Smith are 80 years old and need a bungalow to move to. It needs to be a reasonable size so it is manageable.
Your task is to make a floor plan by drawing it out on squared paper and working out the basic costs of decorating.

Use 1cm to represent 2m (1 square in your books is 2m wide)

They have requested 6 rooms of a sensible size.
- Living room
- Kitchen
- Bathroom
- Entry Room
- Bedroom
- Activity room/Study for reading and Mrs Smith's painting

Include windows and doors where necessary.

Draw and label your floor plan using a pencil and ruler.