Week Beginning 18.05.20 Year 6 MUST do Maths Lesson 3: LO: To solve multiplication and division problems.

Example:

READ THE PROBLEM – CAN I SOLVE IT MENTALLY? NO, THE PROBLEM REQUIRES AT LEAST TWO CALCULATIONS I NEED TO USE JOTTINGS OR A WRITTEN METHOD

Kate buys 24 cans of lemonade. She buys to the cans in packs of four. Each pack costs £1.20.

Steve buys 24 cans of lemonade. He buys the cans in packs of 6. Each pack costs £1.60.

How much more does Kate pay for her lemonade than Steve?

WHAT CALCULATION DO I NEED? PART 1: FIRST I NEED TO FIND HOW MANY PACKS KATE HAS BOUGHT (24 ÷ 4 = 6 PACKS). NEXT I NEED TO CALCULATE HOW MUCH THAT COSTS: 6 PACKS X £1.20 = £7.20

WHAT CALCULATION DO I NEED? PART 2. SECOND I NEED TO FIND HOW MANY PACKS STEVE HAS BOUGHT (24 ÷ 6 = 4 PACKS). NEXT I NEED TO CALCULATE HOW MUCH THAT COSTS: 4 PACKS X £1.60 = £6.40

WHAT CALCULATION DO I NEED? PART 3. FINALLY I NEED TO CALCULATE THE DIFFERENCE BETWEEN KATE'S LEMONADE AND STEVE'S LEMONADE. £7.20 - £6.40 = 80p

CHECK THE ANSWER USING A DIFFERENT METHOD - I COULD USE A REPEATED ADDITION TO CALCULATE COST OF CANS £1.20+£1.20+£1.20+£1.20+£1.20+£1.20 = £7.20. I COULD USE A NUMBERLINE TOFIND THE DIFFERENCE BETWEEN £7.20 AND £6.40

CHECK THE ANSWER USING INVERSE OPERATION - PART1£7.20 ÷6 =£ 1.20; PART 2 £6.40 ÷ 4 =£ 1.60; PART 3 £6.40 + 80p = £ 7.20

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YOUR TURN.

A) In this sequence, the rule to get the next number is MULTIPLY BY 2 and THEN add 3. Write in the missing numbers. ___, 25 , 53, ___

B) Layla makes jewellery to sell at a school fair.

Each bracelet has 53 beads – she makes 68 bracelets.

Each necklace has 105 beads – she makes 34 necklaces.

How many beads does Layla use altogether?

C) Ken buys 3 large boxes of chocolates and 2 small boxes of chocolates. Each large box has 48 chocolates and each small box has 24 chocolates. How many chocolates has Ken got altogether?

D) A box contains tray of melons. There are 15 melons in a tray. There are 3 trays in a box. A supermarket sells 40 boxes – how many melons does it sell?