Addition strategies: reordering numbers

Name_____ Date_____

Classic Maths skills workshop

> **Reordering** means 'put the numbers in a different order' before you add them up'.
>
> **Tips:** Look for numbers that add up to ten.
> Add up the largest numbers first.

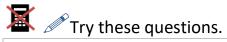**Step 1** Check that you know all your number bonds to 10.

✎ Write them here.

__ + 5 = 10	__ + 4 = 10	__ + 3 = 10	__ + 2 = 10	__ + 1 = 10
6 + __ = 10	7 + __ = 10	8 + __ = 10	9 + __ = 10	0 + __ = 10

(E1.3, E1.4, 10 marks)

Step 2 Look for pairs of numbers that add up to 10. Circle or highlight them if it helps. If there is more than one pair, you could use a different colour pen.

Step 3 Add up the tens first. Then the rest of the numbers.

$$6 + 5 + 4 = \qquad 7 + 9 + 4 + 1 + 6 =$$

$$10 + 5 = 15 \qquad 10 + 10 + 7 = 27$$

✎ Try these questions.

5 + 5 + 4 =	5 + 7 + 3 =
1 + 6 + 9 =	5 + 9 + 1 + 5 =
3 + 5 + 7 + 2 =	4 + 7 + 6 =
3 + 3 + 6 + 7 =	1 + 9 + 9 =
2 + 8 + 3 =	4 + 8 + 2 + 6 =

(E1.3, 10 marks)

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✏️ Now try these.

3 + 6 + 7 + 8 + 4 =	2 + 8 + 1 + 3 + 9 =
3 + 5 + 7 + 5 + 2 =	9 + 7 + 3 + 1 + 3 =
9 + 6 + 1 0 + 4 =	4 0 + 7 + 3 =
1 0 + 8 + 2 + 4 =	5 + 2 0 + 3 + 7 =
1 + 7 + 5 0 + 3 + 9 =	3 + 6 + 1 7 + 4 =
8 + 4 + 6 + 5 + 2 + 4 =	2 5 + 1 + 5 + 9 + 3 =

(E2.5, 12 marks)

🏋️ Stretch questions

✏️ Complete these calculations.

__ + 1 0 = 1 5	3 + __ + 7 = 1 9
__ + 4 + 6 = 1 4	1 0 + 2 + __ = 2 0
5 + __ + 1 0 = 2 0	3 + __ + 7 = 1 2
__ + 1 + 6 = 1 1	1 + __ + 7 = 1 7

(E1.3, E1.4, 8 marks)

✏️ Make up your own calculations.

___ + ___ = 3 5	___ + ___ = 5 6
___ + ___ = 4 0	___ + ___ = 7 8
___ + ___ + 1 0 = 3 2	1 0 + ___ + ___ = 8 1
1 0 + ___ + ___ = 7 7	___ + 1 0 + ___ = 9 9
___ + 2 0 + ___ = 8 9	1 0 + ___ + ___ = 4 3

(E2.4, E2.5, 10 marks)

Addition for E1-E2 Functional Maths

Name_____ Date_____

❌ **Do not use a calculator.**

Problem solving

Mel and Chris live in Great Addley. They organise a village fun day in the village hall.

1. Mel and Chris sell tickets for the Great Addley Fun Day.

a. On Monday, Mel sells 8 adult tickets, 7 concession tickets and 2 child tickets.
   How many tickets did Mel sell on Monday?
   Show your working and your answer in the box.

(E1.3, 2 marks)

b. On Tuesday, Chris sells 5 adult tickets, 1 concession ticket and 9 child tickets.
   How many tickets Chris sell on Tuesday?
   Show your working and your answer in the box.

(E1.3, 2 marks)

c. **Who sold the most tickets?**

(E1.1, 1 mark)

d. **What was the total number of tickets sold on Monday <u>and</u> Tuesday?**
   Show your working and your answer in the box.

(E2.5, 2 marks)

Addition for E1-E2 Functional Maths

Name_____ Date_____

❌ **Do not use a calculator.**

2. Mel checks the stock of crisps and snacks.
   a. **How many packets of <u>crisps</u> are there?**
   Show your working and your answer in the box.

   <div style="border:1px solid"> </div>

   Crisps & snacks

Ready salted crisps	*15*
Salt & vinegar crisps	*14*
Prawn cocktail crisps	*6*
Pretzels	*13*
Salted peanuts	*7*

   (E2.5, 2 marks)

   Chris says they need a total of at least 50 packets of snacks/crisps.
   b. **Do they have enough packets of crisps and snacks?**
   Show your working and your answer in the box.

   (E2.2, E2.5, 2 marks)

3. Luka and Mia live in Lower Addley. They catch the bus to the fun day. It takes:
   - **7 minutes** to walk from their house to the bus stop in Lower Addley
   - **14 minutes** for the bus to travel from Lower Addley to Great Addley.
   - **3 minutes** to walk to Great Addley village hall.

   a. Luka says it will take them more than 30 minutes to get to the fun day.
   Is Luka correct? Show why you think this.
   Show your working and your answer in the box.

   (E2.2, E2.5, 2 marks)

   b. **How many minutes do they walk for?**
   Show your working and your answer in the box.

   (E1.3, 2 marks)