Unit 3

Addition Strategy

Friendly Balance

Move amounts from one number to another to make easy additions.

1. **Find a number to make friendly.**
2. **Make a friendly number.** Moving part of a number keeps the addition balanced.
3. **Calculate.**

$$97 + 86 \quad (\text{move } 3)$$
$$= 100 + 83$$
$$= 183$$

Each Think Mentals strategy is broken into short and simple colour-coded steps.

Other Examples

$$143 + 28 \quad (\text{move } 2)$$
$$= 141 + 30$$
$$= 171$$

$$590 + 74 \quad (\text{move } 10)$$
$$= 600 + 64$$
$$= 664$$

Additional examples are provided.

Practice questions are carefully crafted so they are best solved using that week's strategy.

Day 1

1	98 + 75		11	490 + 52	
2	95 + 67		12	680 + 35	
3	96 + 86		13	370 + 67	
4	97 + 68		14	890 + 43	
5	99 + 34		15	580 + 76	
6	98 + 43		16	270 + 84	
7	154 + 17		17	734 + 28	
8	235 + 36		18	314 + 57	
9	463 + 19		19	565 + 18	

Practice

10 97 children went to the pool on Saturday and 79 on Sunday. On the weekend, how many children went to the pool? ☐

20 Logan's lemon cake mix weighs 470 grams and the packaging weighs 45 grams. What is the gross weight of the packet of cake mix? ☐

Q1–20: /20 | My

Worded problems provide an extra challenge for students to apply the strategy.

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These are practice and revision questions that lend themselves to the Think Mentals strategies.

Day 5 of each unit is the weekly assessment. The assessments are divided into two sets of questions.

These questions target general maths concepts.

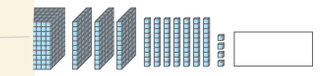
Day 2

Practice

1 98 + 33 ☐
2 99 + 87 ☐
3 144 + 17 ☐
4 414 + 28 ☐
5 480 + 34 ☐

Revision

6 3 x 3 ☐
7 6 x 3 ☐
8 45 – 10 ☐
9 299 – 10 ☐
10 Emily got $85 for her birthday. If she spends $10, how much money will she have left? ☐

11 Write the numeral for this set of blocks.  ☐

5 = ☐ 6 + 3 = ☐ 2 + 7 = ☐

is the largest 4-digit number that can be made with these cards? ☐ 

14 Where is $\frac{3}{4}$ on this number line?

15 Show 75 cents using 3 more coins.

50c +

16 1 metre = ☐ centimetres

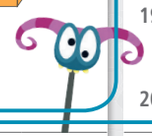
17 The time on this clock is half past ☐. 

18 Which number has the best chance of the spinner landing on it? ☐ 

19 Name this 3D object.

☐ prism 

20 What is the fourth month of the year? ☐



Q1–10: /10 | 11–20: /10 | My time:

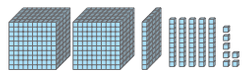
Day 3

Practice

1 97 + 46 ☐
2 95 + 28 ☐
3 233 + 39 ☐
4 250 + 68 ☐
5 $1.95 + 80c ☐

Revision

6 4 x 3 ☐
7 9 x 3 ☐
8 84 – 8 ☐
9 $88 – $24 ☐
10 Jen bought 3 puzzle books for $5 each. How much did she spend? ☐

11  ☐

12 Write 3 addition facts that total 10. ☐ ☐ ☐

13 What is the smallest 4-digit number that can be made with these cards? ☐ 

14 Where is $\frac{2}{3}$ on this number line?

15 Show 85 cents using 4 coins. ☐

16 The height of the classroom door is closest to:
○ 1 metre ○ 2 metres ○ 4 metres

17 The time on this clock is ☐ 8. 

18 Which number has the best chance of the spinner landing on it? ☐ 

19 Name this 3D object.

☐ prism 

20 How many days are there in September? ☐

Q1–10: /10 | 11–20: /10 | My time:

Day 4

Practice

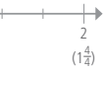
1 35 + 96 ☐
2 355 + 28 ☐
3 670 + 56 ☐
4 $2.95 + $1.10 ☐
5 $4.95 + $1.30 ☐

Revision

6 15 ÷ 3 ☐
7 18 ÷ 3 ☐
8 858 – 10 ☐
9 439 – 10 ☐
10 Three friends shared $30.00 equally. How much did each one get? ☐

11 Draw blocks to show 1428.

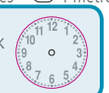
12 3 + 3 = ☐ 6 + 6 = ☐ 9 + 9 = ☐

13 What are all the 4-digit numbers less than 2000 that can be made with these cards? ☐ 

14 Write the fraction marked on this number line.

15 Show 95 cents using 4 coins. ☐

16 The distance from a child's shoulder to their feet is closest to:
○ 1 metre ○ 2 metres ○ 4 metres

17 Draw hands on this clock to show half past 11. 

18 Which number has the best chance of the spinner landing on it? ☐ 

19 Name this 3D object. ☐ 

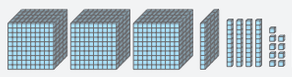
20 November is the ☐ th month of the year.

Q1–10: /10 | 11–20: /10 | My time:

Day 5

Assessment

1 98 + 87 ☐
2 95 + 67 ☐
3 79 + 17 ☐
4 228 + 23 ☐
5 $5.95 + $1.60 ☐
6 196 + 58 ☐
7 $397 + $36 ☐
8 696 kg + 28 kg ☐
9 243 + 18 ☐
10 Shae bought a roll for $2.95 and a drink for $1.50. How much did she spend? ☐

11  ☐

12 Write three addition facts that each total 12. ☐ ☐ ☐

13 What is an odd number greater than 8000 that can be made with these cards? ☐ 

14 Where is $\frac{3}{5}$ on this number line?

15 Make $1 using each of these coins at least once. ☐ 

16 The length of a car is closest to:
○ 1 metre ○ 2 metres ○ 4 metres

17 The time on this clock is ☐ past ☐. 

18 Which number has the best chance of the spinner landing on it? ☐ 

19 Which 3D object am I? I have 5 faces, 9 edges and 6 corners. ☐

20 How many days are in a non-leap year? ☐

Q1–10: /10 | 11–20: /10 | My time:

These questions target the same maths concept. The difficulty level is higher each day.

Students can record their results and their time for each day. Ensure students copy their Day 5 Assessment results to the Student Assessment Profile at the back of the workbook.