



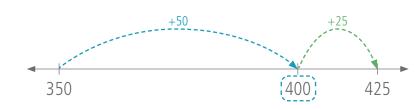
Addition Strategy

Friendly Jumps

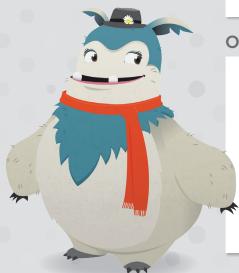
Make a number line in your head to 'jump' along.

1 Jump forward to a friendly number.

350 + 75

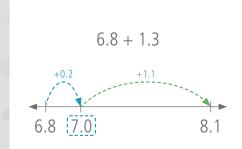


Jump forward the rest.



Other Examples





Day 1

5

\$5.50 + 80c



01-10: /20 My time:

	Day 2		Day 3
1 2 3 4 5	380 + 45 \$550 + \$75 \$1.90 + 50c \$3.50 + 85c 690 + 84	Practice	1 880 kg + 55 kg 2 160 m + 80 m 3 7.5 + 0.8 4 5.6 s + 0.6 s 5 9.3 km + 0.8 km
6 7 8 9 10	44 x 2 52 x 2 900 - 50 400 - 20 18 ÷ 2	Revision	6 \$45 x 2 7 24 hours x 2 8 100 mL - 55 mL 9 200 - 75 10 \$80 ÷ 2
	= 9000 + 100 + 40 + 6 Write 6275 using expanded notation.		 What is the mass shown on the scales? What mass needs to be added for the scales to reach 1.5 kg? What is the next number in this pattern?
13 14 15	Which number has the greater value, 4.14 or 4.4? Write these numbers from least to greatest. 7.77 7.07 0.77 How much orange juice is in this jug?		 6.6 6.4 6.2 6.0
16	How much more orange juice is needed to fill the jug to the 1 L mark?		 Write these numbers from least to greatest. 2.05 5.02 , , , , , , , , , , , , , , , , , , ,
17	What is the next number in this pattern? 1.5 2.0 2.5 3.0		= 3000 + 300 + 80 + 5
	O+5 O+0.5 O+1.5	onges	Write 1221 using expanded notation.
20	What is the maximum age of the Quahog (clam)? Which animal has a maximum age of 150 years?	Quahog (clam)	Which two animals have the closest lifespan? 20 Which animal has a maximum age of 110 years?
Q1-1	0: /10 Q11-20: /10 My time:	\exists	Q1–10: /10 Q11–20: /10 My time:

8 Think Mentals 5 ISBN 978 1 74135 340 2

	Day 4				Т	Day 5		
						Jay J		
1	1170 + 75		1	450 + 80				
2	2080 km + 88 km	Pra	2	170 + 65				As
3	14.3 s + 0.8 s	Practice	3	580 + 35				Assessment
4	22.5 + 0.7	Ö	4	\$6.60 + 45c				mer
5	395 L + 67 L		5	\$8.50 + 85c				7
6	73 x 2		6	5.7 + 0.7				
7	2 x 84		7	50.6 + 0.5				
8	600 – 35	Revision	8	9.4 + 0.8				
9	1000 mL – 555 mL	non	9	197 + 28				
	240 ÷ 2		10	498 + 50				
10	240 ÷ 2		11	Complete this	expan	ded notation.		
11	Which number has the greater value, 33.22 or 33.3?			=	8000 -	+ 900 + 10 +	4	
42			12	Write 1915 us	sing ex	panded notat	ion.	
12	Write these numbers from least to greatest.	- I						
4.2	1.1 0.11 1.01,,,	-	13	What is the ne	ext nun	nber in this pa	attern?	
13	Complete this expanded notation.			5.4 5.1 4.8	4.5	4.2		
4.4	= 4000 + 20 + 8		14	What is the re	peated	gap in the p	attern?	
14	Write 7077 using expanded notation.	- 1	15	Which numbe	r has th	ne greater val	ue,	
4.5				7.61 or 7.16?			•	
15	What temperature is shown by this thermometer?	30	16	Write these no	umbers	from least to	greatest.	
16	What will the temperature be if it increases	20 = = = 10		4.2 2.04 2.	24	,	,	
10	4 °C, then drops 10 °C?	0 °c	17	How much wa	ater is i	n = 2L	ħ	
17	What is the next number in this pattern?			this jug?		n 2 L 1500 m		
	9.1 10.2 11.3 12.4		18	How much mo	nre wat			
18	What is the repeated gap in			to fill the jug				
	the pattern?	World's Five	Factor	et Mammals	19 V	Vhich two ma	mmals have	
19	Which mammal is 20 km/h slower	Mammal		eximum recorded speed (km/h)		maximum re of 80 km/h?	corded speed	
	than a pronghorn antelope? hare 72 km/h greyhound 68 km/h	Cheetah		105		7 00 1111/11.		
	horse 69 km/h springbok 80 km/h	Pronghorn antelo Mongolian gazel		89				
20	Which mammal is capable of	Springbok Grant's gazelle		76		Vhich mamma		
	exceeding a 100 km/h speed limit?				a	springbok by	/ 25 KM/h?	
Q1-1	0: /10 Q11–20: /10 My time:	-	Q1-1	0: /10	Q11–20): /10	My time:	



Friendly Balance

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



Make a friendly number.

Moving part of a number keeps the addition balanced.



Calculate. = 500 + 50

= 550



Other Examples

$$= $40 + $40$$

 $= 80

$$= 8.0 + 2.2$$

 $= 10.2$

Day 1

88 + 92

20	Jojo drove her car 195 km before lunch. It is
	another 55 km to her destination. What will Jojo's
	total driving distance be?

Q1–10:

/20

My time:

	0 0 0 0
	Day 2
1	9.9 + 0.6
2	2.7 + 3.3
3	38 + 42
4	505 + 195
5	99c + 88c
6	16 x 5
7	22 x 5
8	40 – 19
9	80 – 29
10	93 ÷ 3
11	Circle multiples of 3. 4 9 21 23 30
12	Write the next three multiples of 5 after 40.
13	2 x 6 = 3 x 7 = 5 x 5 =
14	Complete this multiplication grid. X 2 3 5 10
15	Measure this line to the nearest millimetre.
16	In centimetres, the measurement is equal to: 2.1 cm 2.5 cm 2.9 cm
17	Double 5, add 7, then subtract 2.
18	Multiply 4 by 3, add 8, then halve.
19	In which year did Sydney host the Summer Olympic Games?

Summer Oly Games	
Host City	Year
Sydney	2000
Athens	2004
Beijing	2008
London	2012
Rio de Janeiro	2016
Tokyo	2020

Revision

		Day 3	
1	7.8 m + 2.2 m		
2	91 L + 89 L		P
3	395 + 205		Practice
4	\$4.90 + \$5.10		Се
5	895 km + 55 km		
6	18 x 5		
7	\$66 x 5		Re
8	100 – 59		Revision
9	70 kg – 39 kg		ŭ
10	848 ÷ 4		

11	2 x 8 =	3 x 8 =	5 x 7 =	
12	Complete this			



13	Measure the height of this frog	to	the
	nearest millimetre.		

14 Write the measurement in centimetres.



15 Circle multiples of 2. 5 7 8 18 41 42

Write the next three multiples of 4 after 16.

17 Add 6 to 94, double, then subtract 50.

18	Multiply 7 by 3, subtract 1, then
	divide by 5.

19 Athens hosted the first Olympic Games of the modern era in 1896. When was Athens host city again?

20 Are Summer Olympic Games years also leap years?

Q1-10: /10 Q11-20: /10 My time: Q1-10: /10 Q11-20: /10 My time:

20 Which city hosts the Summer

Olympic Games in 2020?

	Day 4
1	66.9 + 3.1
2	7.1 + 0.9 + 8.4
3	99 + 51 + 30
4	1094 + 106
5	5005 + 4995
6	64 x 5
7	120 x 5
8	300 – 149
9	1100 – 99
10	609 ÷ 3
11	Measure the length of this grasshopper's body to the nearest millimetre.
12	Write the measurement in centimetres.
13	5 x 3 = 2 x 7 = 8 x 10 =
14	2 x 8 = 3 x 6 = 9 x 10 =
15	Halve 16, add 1, then multiply by 3.
16	Subtract 2 from 37, divide by 5, then add a dozen.
17	Are the following numbers mostly multiples of 2, 3 or 5?
	4 8 12 14 16
18	Are the following numbers mostly multiples of 4, 5 or 6?
	10 15 30 45 50
19	How often is the football World Cup held?
20	Ho
	World Cup eight years after Germany? So Bra

	Day 5					
1	5.8 + 2.2					
2	1.9 + 0.6					
3	3.7 + 4.3					
4	29 + 31					
5	62 + 58					
6	99c + 26c					
7	105 + 195					
8	495 + 55					
9	\$10.10 + \$4.90					
10	380 + 220					
11	Add 3 to 17, double, then subtract 2.					
12	Multiply 5 by 5, subtract 4, then double.					
13	8 x 30 = 5 x 800 =					
	17 x 10 =					
14						
17	multiplication grid. 5					
	3					
15	Circle multiples of 5.					
	8 10 25 28 35					
16	Write the next three multiples of 6 after 12.					
	,,					
17	Measure the length of the pencil to this nearest millimetre.					
18	Write the measurement in centimetres.					
10	write the measurement in centimetres.					
1	40 Miliah assuratus hasata tha					
ootb Ye						
200 20°	06					
20						

World Cup F	ootball
Host Country	Year
Germany	2006
South Africa	2010
Brazil	2014
Russia	2018
Qatar	2022

Revision

20 In which year is the World
Cup held after Qatar is the host
country?

Q1–10: /10 | Q11–20: /10 | My time: | Q1–10: /10 | Q11–20: /10 | My time:

80 mL

-70 mL

-60 mL

Day 1 440 + 80

- 2 170 + 55
- 3 560 + 45
- \$9.60 + 45c4
- 5 \$5.50 + 85c
- 2.7 + 0.76
- 7 30.6 + 0.5
- 8 5.4 + 0.8
- 9 197 + 38
- 298 + 50
- **11** How much orange juice is in this jug?
- **12** How much more orange juice is needed to fill the jug to the 1 L mark?





14 2 weeks = days

37 x 100 =

16 8100 ÷ 10 =

17 Write forty thousand as a numeral.

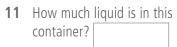
- **18** Which digit is in the thousands place in 23 100?
- **19** Which map feature is located north of Captain Jack's Tree?
- **20** The direction from the Mountains to the Black Stump is:
 - north south east west



- 1 710 - 60
- 2 540 - 50
- 3 8.6 - 0.7
- 3.2 0.4
- 5 900 - 51

Revision

- 200 22
- 7 100 - 55
- 8 \$5.50 - 80c
- 9 \$9.20 - 50c
- **10** \$18.20 40c







14 3 weeks = days

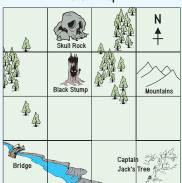
15 45 x 100 =

16 1600 ÷ 10 =

17 Write thirty-three thousand as a numeral.

18 Which digit is in the hundreds place in 87 200?





19 Which location is north of the Black Stump?

20 The direction from the Mountains to Captain Jack's Tree is

Q1-10:

Q11-20:

/10

My time

Q1-10:

/10

Q11-20:

/10

My time:

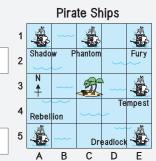
	Day 3		Day 4	
1 2 3 4 5 6 7 8 9	8 x 15 18 x 5 16 x 3 16 x 15 6 x 15 45 x 8 35 x 6 35 x 4 15 x 18 35 x 12	1 2 3 4 5 6 7 8 9	\frac{1}{3} \text{ of } 18 \frac{1}{7} \text{ of } 49 \frac{1}{2} \text{ of } 48 \frac{1}{5} \text{ of } 30 \frac{1}{4} \text{ of } 28 \frac{1}{9} \text{ of } 81 \frac{1}{9} \text{ of } 36 \frac{1}{2} \text{ of } 82 \frac{1}{7} \text{ of } 35 \frac{1}{8} \text{ of } 64	
11	Which digit is in the ten thousands place in 20 710? Which of these numbers has the greater value,	11 12		
13	How much liquid is in this cup of medicine?	13	A movie screened for $1\frac{3}{4}$ hours. How many minutes did it last?	
14	How much is half the amount shown?	15	What temperature is shown by this thermometer?	
	Which one is equal to 5000? 50 x 10 50 x 100 50 x 1000 Which one is equal to 99? 9900 ÷ 10 9900 ÷ 100 9900 ÷ 1000	16	The temperature increased a further 2 °C that day before dropping 12 °C to its minimum. What was the minimum temperature? Write eighty-eight thousand	
17	How many minutes in $\frac{3}{4}$ of an hour?	.,	as a numeral.	
18	48 hours = days	18	Which of these numbers has the greater value, 12 110 or 12 102?	
19	Which pirate ship is north of the island?	Shine	19 How many pirate ships are east	
20	Which pirate ship is south of Tempest? 2 Shadow Pha 3 A Rebellion 5	Dreadloc C D	of map reference B1? 20 Which pirate ship would sail east then north to the island?	
Q1-1	0: /10 Q11–20: /10 My time:	Q1-1	10: /10 Q11–20: /10 My time:	

Assessment

Day 5

- **1** 840 + 80
- **2** 270 + 65
- **3** 2.2 0.8
- **4** 3.5 0.6
- **5** 12 x 15
- **6** 45 x 6
- **7** 35 x 8
- 8 $\frac{1}{3}$ of 21
- 9 $\frac{1}{7}$ of 56
- 10 $\frac{1}{5}$ of 45
- **11** How much water is in this jug?
- How much more water is needed to fill this jug to the 2 L mark?
- **13** 53 x 1000 =

- **14** 6100 ÷ 10 =
- Which digit is in the ten thousands place in 54 321?
- Which of these numbers has the greater value, 98 890 or 98 980?
- **17** How many minutes in a $\frac{1}{4}$ hour?
- 18 $\frac{1}{2}$ a day is equal to:
 - 6 hours 12 hours 18 hours
- Which pirate ship is east of the island?
- Which pirate ship is west of Phantom?



01–10:

/10

Q11-20:

1500 mL 1 L 500 mL

/10

My time:

Think Box

Calculator Story

Right-o, shipmates! Use your calculator to solve the clues below. For each answer, turn your calculator upside down and write the word in the story.

Clues

- **1** 1538 x 3
- **13** 615 293 x 9
- **2** 1640 + 2111
- **14** 493 + 166 + 74
- **3** 2345 ÷ 7
- **15** 6677 ÷ 11
- **4** 8028 7514
- **16** 213 803 x 25
- **5** 10 x 27 679 x 2
- **17** 53 400 355
- **6** 3923 x 96
- **18** 15 428 ÷ 2
- **7** 4112 ÷ 8
- **19** 4304 + 1000
- **8** 5000 + 999 + 76
- **20** 0.2 x 3.869
- **9** 555 555 20 041
- **21** 926 x 4
- **10** 8 x 672 351
- **22** 7777 672
- **11** 28 554 + 28 554
- **23** 105 280 ÷ 28
- **12** 1000 382
- **24** 5000 + 500 + 7

Captain Blackbeard, the most feared pirate on the 1______ seas, yells, "Land ho! 'Tis the Treasure 2_____ | 3_____!"

- Captain Blackbeard and 4______ crew set anchor and row to the jungle island. Untold riches will 5_____ any pirate and
- **6**______ **7**_____ mind. Blackbeard curses himself for choosing the jungle as the hiding place for the treasure.
- The pirates 8______ their way through a steamy swamp as a snake 9_____ overhead. The ooze 10_____ and
- **11**______, but the crew dares not grumble, even when a
- **12_____ 13_____ 14____** slithers over a
- 15_____ and 16_____ into the murky waters beneath
- their **17**______.
- Following Blackbeard's map the crew stops on a low, grassy
- 18______ . "Grab the shovels and 19_____ and dig, me hearties!" 20_____ ws the Captain. Within minutes a huge
- chest is hoisted out of the **21**_____ and dumped beside the mound of **22**_____ . Captain Blackbeard breaks the lock and
- throws open the lid. Captain and crew alike stand and
- the sight, at a **24**_____ for words. Before them is a dazzling array of gold, jewels and pearls beyond imagination!

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