

## Unit 1



## 2




## Unit 1


(ت) Addition

## Friendly Jumps

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

1 Jump forward to a friendly number.

## $350+75$


(2) Jump forward the rest.

## Other Examples



## Day 1



| 11 | $15.8+0.4$ | $\square$ |
| :--- | :--- | :--- |
| 12 | $3.5+0.8$ | $\square$ |
| 13 | $7.7+0.6$ | $\square$ |
| 14 | $22.6+0.5$ | $\square$ |
| 15 | $9.4+0.8$ | $\square$ |
| 16 | $197+24$ | $\square$ |
| 17 | $496+18$ | $\square$ |
| 18 | $395+66$ | $\square$ |
| 19 | $890+59$ | $\square$ |

Q1-10: $\quad / 20$

My time:

## Unit 2

## Day 2

$1380+45$
$2 \$ 550+\$ 75$
$3 \$ 1.90+50 c$
$4 \quad \$ 3.50+85 c$
$5 \quad 690+84$
$6 \quad 44 \times 2$
$7 \quad 52 \times 2$
8 900-50
$9 \quad 400-20$
$10 \quad 18 \div 2$
11 Complete this expanded notation.
$\square=9000+100+40+6$
12 Write 6275 using expanded notation.
$\qquad$
13 Which number has the greater value, 4.14 or 4.4 ? $\qquad$
14 Write these numbers from least to greatest.
$\begin{array}{lll}7.77 & 7.07 & 0.77\end{array}$


15 How much orange juice is in this jug?


16 How much more orange juice is needed to fill the jug to the 1 L mark? $\square$
17 What is the next number in this pattern?
$\begin{array}{llll}1.5 & 2.0 & 2.5 & 3.0\end{array}$ $\square$

## Day 3

$1880 \mathrm{~kg}+55 \mathrm{~kg}$
$2160 \mathrm{~m}+80 \mathrm{~m}$
$3 \quad 7.5+0.8$
$4 \quad 5.6 \mathrm{~s}+0.6 \mathrm{~s}$
$5 \quad 9.3 \mathrm{~km}+0.8 \mathrm{~km}$ $\square$
$6 \$ 45 \times 2$
724 hours $\times 2$
$8100 \mathrm{~mL}-55 \mathrm{~mL}$
9 200-75
$10 \$ 80 \div 2$
11 What is the mass shown on the scales? $\qquad$
12 What mass needs to be added for the scales to reach 1.5 kg ?


13 What is the next number in this pattern?
$\begin{array}{llll}6.6 & 6.4 \quad 6.2 \quad 6.0\end{array}$ $\square$
14 What is the repeated gap in the pattern?
$\bigcirc-2 \bigcirc-0.2 \bigcirc-2.2$
15 Which number has the greater value, 1.99 or 1.19 ? $\square$
16 Write these numbers from least to greatest.
$\begin{array}{llll}5.2 & 2.05 & 5.02\end{array}$ $\square$
$\square$ $\square$

17 Complete this expanded notation.
$\square$ $=3000+300+80+5$

18 What is the repeated gap in the pattern? $\bigcirc+5 \bigcirc+0.5 \bigcirc+1.5$

19 What is the maximum age of the Quahog (clam)? $\square$
20 Which animal has a maximum age of 150 years?
$\square$

The Five Longest-living Animals


18 Write 1221 using expanded notation.
$\qquad$
19 Which two animals have the closest lifespan?
$\qquad$
20 Which animal has a maximum age of 110 years?
 Q1-10: $\quad / 10$ Q11-20: $\quad / 10$ My time:

## Day 4

$11170+75$
$2 \quad 2080 \mathrm{~km}+88$ km
$3 \quad 14.3 s+0.8 s$
$4 \quad 22.5+0.7$
$5395 L+67 L$
$6 \quad 73 \times 2$
$7 \quad 2 \times 84$
8 600-35
$9 \quad 1000 \mathrm{~mL}-555 \mathrm{~mL}$
$10 \quad 240 \div 2$
11 Which number has the greater value, 33.22 or 33.3 ? $\qquad$
12 Write these numbers from least to greatest.
$\begin{array}{lll}1.1 & 0.11 \quad 1.01\end{array}$ $\square$ , $\square$ $\square$

13 Complete this expanded notation.
$\square=4000+20+8$
14 Write 7077 using expanded notation.
$\square$
15 What temperature is shown by this thermometer? $\square$
16 What will the temperature be if it increases $4^{\circ} \mathrm{C}$, then drops $10^{\circ} \mathrm{C}$ ? $\square$
17 What is the next number in this pattern?
$\begin{array}{lllll}9.1 & 10.2 & 11.3 & 12.4\end{array}$ $\square$
18 What is the repeated gap in the pattern? $\qquad$
19 Which mammal is $20 \mathrm{~km} / \mathrm{h}$ slower than a pronghorn antelope?
hare $72 \mathrm{~km} / \mathrm{h}$ greyhound $68 \mathrm{~km} / \mathrm{h}$
$\bigcirc$ horse $69 \mathrm{~km} / \mathrm{h} \bigcirc$ springbok $80 \mathrm{~km} / \mathrm{h}$
20 Which mammal is capable of exceeding a $100 \mathrm{~km} / \mathrm{h}$ speed limit?
$\qquad$

## Day 5

$1450+80$
$2 \quad 170+65$
$3580+35$
$4 \quad \$ 6.60+45 c$
$5 \quad \$ 8.50+85 c$
$6 \quad 5.7+0.7$
$7 \quad 50.6+0.5$
$8 \quad 9.4+0.8$
$9 \quad 197+28$
$10498+50$ $\square$
11 Complete this expanded notation.
$\square=8000+900+10+4$
12 Write 1915 using expanded notation.
$\square$
13 What is the next number in this pattern?
$\begin{array}{lllll}5.4 & 5.1 & 4.8 & 4.5 & 4.2\end{array}$ $\square$
14 What is the repeated gap in the pattern?
15 Which number has the greater value, 7.61 or 7.16 ? $\qquad$
16 Write these numbers from least to greatest.
4.22 .04
2.24 $\square$


17 How much water is in this jug?


18 How much more water is needed to fill the jug to the 2 L mark? $\qquad$
19 Which two mammals have a maximum recorded speed of $80 \mathrm{~km} / \mathrm{h}$ ?


20 Which mammal can outrun a springbok by $25 \mathrm{~km} / \mathrm{h}$ ?

Q1-10: $\quad / 10 |$| Q11-20: | $/ 10$ | My time: |
| :--- | :--- | :--- | :--- |

Q1-10: $\quad / 10$ Q11-20: $\quad / 10$

My time:

## Unit 3

## Friendly Balance

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


Day 1

| 1 | $0.9+0.6$ | $\square$ |
| :--- | :--- | :--- |
| 2 | $1.9+0.8$ | $\square$ |
| 3 | $9.9+0.4$ | $\square$ |
| 4 | $4.2+0.9$ | $\square$ |
| 5 | $7.7+1.8$ | $\square$ |
| 6 | $59+61$ | $\square$ |
| 7 | $52+98$ | $\square$ |
| 8 | $71+49$ | $\square$ |
| 9 | $88+92$ |  |

10 Jojo's car had 28 L of fuel in the tank. She pumped 32 L more to fill it. How much fuel does the tank hold? $\qquad$

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

$$
\begin{aligned}
& =500+50 \\
& =550
\end{aligned}
$$

## Other Examples

$$
\begin{aligned}
& \$ 42+\$ 38 \\
= & \$ 40+\$ 40 \\
= & \$ 80
\end{aligned}
$$

|  |  |
| :--- | :--- |
| 1 | $9.9+0.6$ |
| 2 | $2.7+3.3$ |
| 3 | $38+42$ |
| 4 | $505+195$ |
| 5 | $99 c+88 c$ |
|  | $\square$ |
| 6 | $16 \times 5$ |
| 7 | $22 \times 5$ |
| 8 | $40-19$ |
| 9 | $80-29$ |
| 10 | $93 \div 3$ |

11 Circle multiples of 3 . $\begin{array}{llll}4 & 9 & 21 & 23 \\ 30\end{array}$

12 Write the next three multiples of 5 after 40 .
$\square$
$132 \times 6=\square$ $3 \times 7=\square$ $5 \times 5=\square$

14 Complete this multiplication grid.

| $x$ | 2 | 3 | 5 | 10 |
| :---: | :---: | :---: | :---: | :---: |
| 2 |  |  |  |  |
| 4 |  |  |  |  |

15 Measure this line to the nearest millimetre. $\qquad$
16 In centimetres, the measurement is equal to:
$\bigcirc 2.1 \mathrm{~cm} \bigcirc 2.5 \mathrm{~cm} \bigcirc 2.9 \mathrm{~cm}$
17 Double 5, add 7 , then subtract 2 . $\qquad$
18 Multiply 4 by 3, add 8, then halve. $\square$
19 In which year did Sydney host the Summer Olympic Games? $\square$
20 Which city hosts the Summer Olympic Games in 2020?
$\square$

## Day 3

$17.8 \mathrm{~m}+2.2 \mathrm{~m}$
$291 \mathrm{~L}+89 \mathrm{~L}$
$3 \quad 395+205$
$4 \quad \$ 4.90+\$ 5.10$
$5895 \mathrm{~km}+55 \mathrm{~km}$
$6 \quad 18 \times 5$
$7 \quad \$ 66 \times 5$
8 100-59
$970 \mathrm{~kg}-39 \mathrm{~kg}$
$10 \quad 848 \div 4$
$\square$
$112 \times 8=$ $\square$ $3 \times 8=$ $\square$ $5 \times 7=$ $\square$
12 Complete this multiplication web.


13 Measure the height of this frog to the nearest millimetre. $\square$
14 Write the measurement in centimetres. $\square$


15 Circle multiples of 2 .
$\begin{array}{llllll}5 & 7 & 8 & 18 & 41 & 42\end{array}$
16 Write the next three multiples of 4 after 16.
$\square$ $\square, \square$

17 Add 6 to 94 , double, then subtract 50 . $\square$
18 Multiply 7 by 3 , subtract 1 , then divide by 5 . $\square$
19 Athens hosted the first Olympic Games of the modern era in 1896. When was Athens host city again? $\qquad$
20 Are Summer Olympic Games years also leap years? $\qquad$
$\square$

| Host City | Year |
| :--- | :---: |
| Sydney | 2000 |
| Athens | 2004 |
| Beijing | 2008 |
| London | 2012 |
| Rio de Janeiro | 2016 |
| Tokyo | 2020 |

Q1-10: $\quad / 10 \quad$ Q11-20: $\quad / 10$ My time:

## Unit 3

## Day 4

$166.9+3.1$
$27.1+0.9+8.4$
$399+51+30$
$4 \quad 1094+106$
$5 \quad 5005+4995$
$6 \quad 64 \times 5$
$7 \quad 120 \times 5$
8 300-149
9 1100-99
$10609 \div 3$

11 Measure the length of this grasshopper's body to the nearest millimetre.
$\square$
12 Write the measurement in centimetres.

$135 \times 3=\square$ $2 \times 7=$ $\qquad$ $8 \times 10=\square$
$142 \times 8=$ $\square$ $3 \times 6=$ $\square$ $9 \times 10=$ $\square$
15 Halve 16 , add 1 , then multiply by 3 . $\square$
16 Subtract 2 from 37, divide by 5 , then add a dozen. $\square$
17 Are the following numbers mostly multiples of 2,3 or 5 ? $\qquad$
$\begin{array}{lllll}4 & 8 & 12 & 14 & 16\end{array}$
18 Are the following numbers mostly multiples of 4,5 or 6 ? $\qquad$ $\begin{array}{lllll}10 & 15 & 30 & 45 & 50\end{array}$

19 How often is the football World Cup held?
$\qquad$
20 Which country hosted the football World Cup eight years after Germany?
$\qquad$

| World Cup Football |  |
| :--- | :---: |
| Host Country | Year |
| Germany | 2006 |
| South Africa | 2010 |
| Brazil | 2014 |
| Russia | 2018 |
| Qatar | 2022 |

19 Which country hosts the World Cup in 2022?
$\qquad$
20 In which year is the World
Cup held after Qatar is the host country? $\qquad$
Q1-10: $\quad / 10$ Q11-20: $\quad / 10$ My time:

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


## Unit 20



11 Which digit is in the ten thousands place in 20710 ? $\square$
12 Which of these numbers has the greater value, 50550 or 55500 ? $\qquad$

13 How much liquid is in this cup of medicine? $\qquad$ | -200 mL |
| :--- |
| -100 mL |
|  |

14 How much is half the amount shown? $\qquad$ ,
$1 \frac{1}{3}$ of 18
$2 \frac{1}{7}$ of 49
$3 \quad \frac{1}{2}$ of 48
$4 \quad \frac{1}{5}$ of 30
$5 \quad \frac{1}{4}$ of 28
$6 \frac{1}{9}$ of 81
$7 \quad \frac{1}{6}$ of 36
$8 \frac{1}{2}$ of 82
$9 \quad \frac{1}{7}$ of 35
$10 \frac{1}{8}$ of 64

$11220 \times 100=$ $\square$
$128000 \div 100=$ $\square$
13 A movie screened for $1 \frac{3}{4}$ hours. How many minutes did it last? $\square$
1436 hours $=\square$ days
15 What temperature is shown by this thermometer? $\qquad$
16 The temperature increased a further $2^{\circ} \mathrm{C}$ that day before dropping $12^{\circ} \mathrm{C}$ to its minimum. What was the minimum temperature? $\qquad$
17 Write eighty-eight thousand as a numeral. $\qquad$
18 Which of these numbers has the greater value, 12110 or 12102 ? $\qquad$
19 Which pirate ship is north of the island?
$\square$
20 Which pirate ship is south of Tempest?
$\square$



19 How many pirate ships are east of map reference B1? $\square$
20 Which pirate ship would sail east then north to the island?
$\qquad$

## Day 5



## 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

$11538 \times 3$
$13615293 \times 9$
$21640+2111$
$14493+166+74$
$3 \quad 2345 \div 7$
$156677 \div 11$
4 8028-7514
$16213803 \times 25$
$5 \quad 10 \times 27679 \times 2$
$1753400-355$
$6 \quad 3923 \times 96$
$1815428 \div 2$
$74112 \div 8$
$194304+1000$
$8 \quad 5000+999+76$
$200.2 \times 3.869$
$9555555-20041$
$21926 \times 4$
$108 \times 672351$
$227777-672$
$1128554+28554$
$23105280 \div 28$
$121000-382$
$245000+500+7$

Captain Blackbeard, the most feared pirate on the $\mathbf{1}$
seas, yells, "Land ho! 'Tis the Treasure 2
crew set anchor and row to the
Captain Blackbeard and 4 $\qquad$ jungle island. Untold riches will 5 $\qquad$ any pirate and 6 $\qquad$ 7 mind. Blackbeard curses himself for choosing the jungle as the hiding place for the treasure.

The pirates 8 $\qquad$ their way through a steamy swamp as a snake 9 $\qquad$ overhead. The ooze 10 $\qquad$ and
11 $\qquad$ , but the crew dares not grumble, even when a
12 13 $\qquad$ 1 14 $\qquad$ slithers over a
15 and 16 $\qquad$ into the murky waters beneath
their 17
Following Blackbeard's map the crew stops on a low, grassy
18 $\qquad$ "Grab the shovels and 19 $\qquad$ and dig, me
hearties!" 20 $\qquad$ ws the Captain. Within minutes a huge
chest is hoisted out of the $\mathbf{2 1}$ $\qquad$ and dumped beside the
mound of $\mathbf{2 2}$ $\qquad$ . Captain Blackbeard breaks the lock and throws open the lid. Captain and crew alike stand and
23 $\qquad$ the sight, at a 24 $\qquad$ for words. Before them
is a dazzling array of gold, jewels and pearls beyond imagination!

