#  

Maths Strategies and Practice

## Malting Maths Friendly

## Unit 1



## 2

10' is friendlier than 9
40' is friendlier than 38
70' is friendlier than 71
9.0 is friendlier than 8.9
\$3.00' is friendlier than \$3.05



## Unit 1


(ت) Addition
Friendly Jumps
Make a number line in your head to 'jump' along.
(1) Jump forward to a friendly number.

## $0.58+0.07$


(2) Jump forward the rest.

## Other Examples



## Day 1



## Unit 2

## Day 2

$1 \quad 150+80$
$2 \$ 4.70+60 c$
$3 \quad 3.5+0.7$
$4 \quad 9.25+0.06$
$5 \$ 3.30+80 c$

| $\square$ |
| :--- |
| $\square$ |
| $\square$ |
| $\square$ |

$6 \quad 60 \times 300$
$7400 \times 4$
8 200-55
9 350-60
$10 \frac{1}{3}$ of 21 $\square$

11 Write kilometres in abbreviated form. $\square$
12 Write three million as a numeral.
$\square$
13 What is the next number in this pattern?
$\begin{array}{llll}3.4 & 4.1 & 4.8 & 5.5\end{array}$ $\square$
14 What is the repeated gap in the pattern?
$\bigcirc+7 \bigcirc+0.7 \bigcirc+0.07$
15 Which of these numbers has the greater value?4000200 900200

16 Which digit is in the thousands place in 34217 900? $\qquad$
17 Write the measurement that is abbreviated as kg in word form.
$\square$
18 Which of the labelled cities in Japan is located the furthest north?
$\square$
19 Which city is at map reference D4?
$\qquad$
20 What is the compass direction from Kyoto to Hiroshima? $\qquad$


## Day 3

$1380+45$ $\square$
$2 \quad \$ 7.70+50 c$
$3510+95$
$4 \quad 0.87+0.06$ $\square$
$53.3+0.8$ $\square$
$6900 \times 50$
$7 \quad 70 \times 70$
8 \$240-\$80
9 500-55
$10 \frac{1}{8}$ of 32


11 Write sixty million as a numeral.
$\square$
12 Name the compass point midway between south and east. $\qquad$
13 What is the next number in this pattern?
$\begin{array}{llll}0.08 & 0.11 & 0.14 & 0.17\end{array}$ $\square$
14 What is the repeated gap in the pattern?$+0.3$$+0.03$

15 Write the measurement that is abbreviated as mm in word form.
$\square$
16 Write centimetres in abbreviated form. $\square$
17 Which digit is in the millions place in 75600 318? $\qquad$
18 Which of these numbers has the greater value?
$\bigcirc 55500$
500500

19 How many zeros are used to write ten million as a numeral?

20 Write the map reference
for Sendai.


Q1-10: $\quad / 10$ 11-20: $\quad / 10 |$| My time: |
| :--- | :--- |
| 8 |

Q1-10: $\quad / 10$ 11-20: $\quad / 10$

[^0]
## Day 4

$1 \$ 1.80+55 c$ $\square$
$2660+60$
$37.6+0.5$
$4 \quad 0.95+0.25$
$5 \quad \$ 8.90+60 c$
$670 \times 3000$
$7 \quad 200 \times 50$
8 950-60
9 520-40
$10 \frac{1}{4}$ of 28


11 Which of these numbers has the greater value?
$\bigcirc 200000200$80000800

12 Write millilitres in abbreviated form. $\square$
13 Write nine hundred million as a numeral.
$\square$
14 The thickness of the wire on a paperclip is about: $\bigcirc 1 \mathrm{~mm} \bigcirc 1 \mathrm{~cm} \bigcirc 1 \mathrm{~m} \bigcirc 1 \mathrm{~km}$

15 What is the next number in this pattern?
$\begin{array}{llll}0.10 & 0.25 & 0.40 & 0.55\end{array}$ $\square$
16 What is the repeated gap in the pattern? $\qquad$
17 Write forty-four million as a numeral.
$\qquad$
18 Which digit is in the ten thousands place in 627 930? $\qquad$
19 A flight from Sydney to Adelaide to Hobart travels in which two directions?
$\qquad$
20 Which three cities have a map reference ending with 6 ?


## Day 5

| 1 | $0.48+0.07$ | $\square$ |
| :--- | :--- | :--- |
| 2 | $\$ 3.50+80 c$ | $\square$ |
| 3 | $\$ 10.90+50 c$ | $\square$ |
| 4 | $0.95+0.15$ | $\square$ |
| 5 | $0.29+0.09$ | $\square$ |
| 6 | $\$ 1.60+45 c$ | $\square$ |
| 7 | $5.5+0.6$ | $\square$ |
| 8 | $480+40$ | $\square$ |
| 9 | $\$ 8.80+25 c$ | $\square$ |
| 10 | $\$ 2.30+80 c$ | $\square$ |

11 What is the next number in this pattern?
$\begin{array}{llll}0.82 & 0.87 & 0.92 & 0.97\end{array}$
12 What is the repeated gap in the pattern? $\qquad$
13 Write eight hundred and twenty-one million as a numeral. $\qquad$
14 Write kilograms in abbreviated form. $\square$
15 Which of these numbers has the greater value?
$\bigcirc 337300$73700

16 Which digit is in the hundred thousands place in 77195 820? $\square$
17 A jelly bean has a mass of about:
one gramone kilogram $\qquad$ one tonne

18 Which of the labelled cities is located the furthest south?
$\qquad$
19 What is the compass direction from Cairns to Perth?


20 Which state capital is north-west of Melbourne?


| Q1-10: | 110 | 11-20: | 110 | My time: |
| :---: | :---: | :---: | :---: | :---: |



## Unit 3

## Friendly Balance

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


## Other Examples

$$
\begin{aligned}
& 14.4+2.7 \\
= & 14.1+300.3 .0 \\
= & 17.1
\end{aligned}
$$

Day 1


## Day 2

| 1 | $98 c+52 c$ | $\square$ |
| :--- | :--- | :--- |
| 2 | $4.9+2.1$ | $\square$ |
| 3 | $0.51+0.49$ | $\square$ |
| 4 | $\$ 7.90+\$ 1.10$ | $\square$ |
| 5 | $89+91$ |  |
|  |  |  |

$699 \times 3$
$799 \times 5$
8 84-39
9 67-29
$10 \frac{1}{6}$ of 18


11 Calculate the perimeter of this blue rectangle.


12 What is its area? $\qquad$


13 Round 6296 to the nearest hundred. $\square$
14 Round 6296 to the nearest thousand. $\square$
15 Name the compass point midway between north and east. $\qquad$
16 Which direction is a quarter turn anticlockwise from north?

17 Circle the four factors of 15 . 123581015

18 List the four factors of 8 .
$\qquad$
19 When does the Sydney Ferry stop at Taronga Zoo on Monday?


20 How long does the ferry journey between Manly and Taronga Zoo take?
$\qquad$


## Day 3

$\begin{array}{lll}1 & 0.98+0.66 & \square \\ 2 & \$ 4.20+\$ 3.80 & \square \\ 3 & 595+605 & \square \\ 4 & \$ 7.75+50 c & \square \\ 5 & 0.19+0.21 & \square\end{array}$
$6 \quad 999 \times 2$
$7 \quad 999 \times 7$
8 490-95
9 605-295
$10 \frac{1}{9}$ of 81


11 Round 8845 to the nearest 100 . $\square$
12 Round 8845 to the nearest 1000 . $\square$
13 Calculate the perimeter of a picture frame measuring 30 cm by 40 cm . $\qquad$
14 Work out the area of the glass for a picture frame with the same dimensions. $\qquad$
15 Name the compass point midway between south-east and south-west. $\square$
16 Which direction is opposite north-west?
$\square$
17 List the six factors of 50 .


18 On which days does the Sydney Ferry stop at Taronga Zoo and Darling Harbour?
$\qquad$
19 Can you catch a ferry from Circular Quay to Darling Harbour on Thursday? $\qquad$
20 What time does the ferry arrive at Darling Harbour on Wednesday? $\qquad$

| Q1-10: | 110 | 11-20: | 110 | My time: |
| :---: | :---: | :---: | :---: | :---: |

Q1-10: $\quad / 10$
11-20:
110
My time:

## Unit 3

## Day 4

$128 c+32 c$
$26.9+7.1$
$3 \quad \$ 3.95+\$ 1.05$
$4 \quad 0.99+0.51$
$5 \quad 590+210$

$64 \times 999$ $\qquad$
$10 \frac{1}{7}$ of 56

11 Calculate the perimeter of this purple rectangle.


12 What is its area? $\square$
13 The distance from Sydney to L.A. is 12065 km . Round it to the nearest 100 km . $\square$
14 Round the flight distance from Sydney to L.A. to the nearest 1000 km . $\qquad$
15 List the four prime numbers between 10 and 20. $\qquad$
16 List the eight factors of 40 .
$\qquad$
17 Which direction is a $\frac{1}{4}$ turn anticlockwise from north-west? $\qquad$
18 How far is ten laps around a sports field that is 100 m long and 50 m wide?
$\qquad$

## Day 1

$1 \$ 5.50+70 c$

| $\square$ |
| :--- |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |

11 The inverse of $\square \times 4=120$ is $120 \div 4=\square$. Write the inverse of $\square \times 7=420$, then solve.
$\square$


12 Write the inverse of $\square \times 6=480$, then solve.


13 Which shape shows a flip to the right?


14 Which shape shows a slide to the right?


15 Which shape shows a quarter-turn clockwise?


16 Write the probability of tossing a coin for tails as a fraction. $\square$
17 Write as a fraction the probability of winning a raffle in which 5000 tickets were sold and you bought three tickets. $\qquad$
18 Marcy bought a box of cupcake mix for $\$ 4.45$. How much change from $\$ 5$ should she get? $\square$
19 Draw two more notes to make the total exactly $\$ 50$.


20 What is the size of this angle? $\bigcirc 60^{\circ} \bigcirc 120^{\circ} \bigcirc 180^{\circ}$


| Q1-10: | $/ 10$ | $11-20:$ | $/ 10$ | My time: |
| :--- | :--- | :--- | :--- | :--- |

## Day 2

1 \$8-\$1.15
2 3-0.45
3 \$10-\$1.50
4 \$1.80-55c
5 \$10-\$5.50
6 1-0.65
7 \$20-\$3.50
8 \$1.70-15c
9 2000-250
$10600 \mathrm{~mL}-350 \mathrm{~mL}$

| $\square$ |
| :--- |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
|  |

11 Write the inverse of $\square \times 30=210$, then solve.
$\square$
$\square$
12 Write the inverse of $\square \div 50=8$, then solve.
$\square$
13 What is the change from $\$ 20$ if an item costs $\$ 18.50$ ? $\qquad$
14 What is the size of this angle? $\bigcirc 70^{\circ} \bigcirc 110^{\circ}$$180^{\circ}$


15 How many 50c coins make \$8?


16 Write the probability of choosing a green ball from this bag as a fraction.


17 Write the probability of choosing a pink ball from the bag as a simplified fraction. $\qquad$
18 Which shape shows a flip to the right?


19 Which shape shows a slide to the right?


20 Which shape shows a quarter-turn anticlockwise?

Q1-10: $\quad / 10$ 11-20: $\quad / 10$ My time:

## Unit 20

## Day 3

$112 \times 35$
$2 \$ 1.50 \times 6$
$355 \times 16$
$48 \times \$ 3.50$
$5 \quad 5.5 \times 14$
$618 \times \$ 5.50$
$735 \times 140$
$8 \$ 1.50 \times 16$
$93.5 \times 120$
$1045 \times 18$

| $\square$ |
| :--- |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |

11 Write the inverse of $\square \times 9=360$, then solve.
$\qquad$
$\square$
12 Write the inverse of $\square \div 70=70$, then solve.
$\square$
13 Amelia paid $\$ 3.50$ for her fruit salad.
How much change from $\$ 10$ should she get?

14 What is the size of this angle? $\bigcirc 40^{\circ} \bigcirc 90^{\circ} \bigcirc 140^{\circ}$


15 How many 20c coins make \$9? $\square$
16 Write the probability of not choosing a green ball from this bag as a fraction.


17 What is the change from $\$ 50$ for two footy tickets that cost $\$ 21.50$ each? $\square$
18 Which shape shows a flip to the right?


19 Which shape shows a slide to the right?


20 Which shape shows a quarter-turn anticlockwise?


| Q1-10: | 110 | 11-20: | 110 | My time: |
| :---: | :---: | :---: | :---: | :---: |

## Day 4

$150 \%$ of 52 weeks
$250 \%$ of 10000
$325 \%$ of 60 min
$410 \%$ of 700
$5 \quad 10 \%$ of 15 kg
$650 \%$ of 1 day
$750 \%$ of 150 m
$825 \%$ of 48
$9 \quad 10 \%$ of 5000
10 10\% of $\$ 10$ $\square$

11 Which shape shows a flip to the right?


12 Which shape shows a slide to the right?


13 Which shape shows a quarter-turn clockwise?


14 How many 50c coins make \$15? $\square$
15 Write the inverse of $\square \div 90=90$, then solve.


16 Write the inverse of $\square \div 0.5=0.5$, then solve.
$\square$
17 What is the size of this angle? $\bigcirc 30^{\circ} \bigcirc 150^{\circ} \bigcirc 180^{\circ}$


18 Write the probability of rolling a 6 -sided dice for a 5 as a fraction. $\square$


19 Write the probability of rolling
$\square$

20 Ivy has one of every Australian coin except one. Her total is $\$ 3.75$. Which coin doesn't lvy have? $\square$
Q1-10: $\quad / 10$ 11-20: $\quad / 10$ My time:

## Day 5

$1850+70$
$20.55+0.06$
3 3-0.65
4 \$20-\$5.50
$5 \quad 15 \times 140$
$6 \quad \$ 1.50 \times 12$
$73.5 \times 16$
$810 \%$ of 300
$925 \%$ of 28 days
$1050 \%$ of 160 km

| $\square$ |
| :--- |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |
| $\square$ |

11 Aydan bought his lunch for $\$ 11.90$. How much change from $\$ 20$ should he get?

12 Write the probability of choosing a yellow ball from this bag as a simplified fraction.


13 Write the probability of winning a raffle in which 1000 tickets were sold and you bought 3 tickets. $\square$

14 Which shape shows a flip to the right?


15 Which shape shows a slide to the right?


16 Which shape shows a quarter turn anticlockwise?


17 Write the inverse of $\square \div 40=8$, then solve.


18 Write the inverse of $\square \times 7=350$, then solve.


19 How many 20c coins make \$3?


20 What is the size of this angle? $\bigcirc 50^{\circ} \bigcirc 130^{\circ} \bigcirc 180^{\circ}$


| Q1-10: | 110 | Q11-20: | 110 | My time: |
| :---: | :---: | :---: | :---: | :---: |

## Think Box

## Calculator Flipword

Use the maths clues to help you complete this crossword. Solve each clue with your calculator, then flip the calculator to read the word.


## Across

$1267754+267754=$ people in charge
$410000-4486=$ snake sound
$7926 \times 4=$ an opening
$95700-37$ = laid by hens
$1227689 \times 2=$ God ...... you
$140.07+0.0061=$ Inuit ice home
$164249 \div 7=$ tree trunk
$17154 \times 20=$ musical instrument
1969411 - 11695 = used by fish to breathe
$2070014 \div 2=$ not tight
$2250 \times 70=$ hangman's rope
$24810+7008+530000=$ Christian books
$263487 \div 11=$ tell untruths
$285461375808=$ toboggans

## Down

$2232035 \div 3=$ oyster case
$3101 \times 5=$ distress signal
$48903402 \times 2=$ underground fantasy creature
5 1000-229 = sick
$619+78+65+173=$ look
$8385700 \div 50=$ small mountain
$100.051+0.009=$ sticky stuff
$11188303 \times 2=$ eye protector
$136427 \times 5=$ take by force
$15600 \times 50+5006=$ lays the golden egg
$1814.568 \div 24=$ symbol
$1950000-11924=$ sphere
$2114277 \times 4=$ heats to $100^{\circ} \mathrm{C}$
$23610+4005=$ heavy breath
$250.04+0.04=$ scare
$272+10+2=$ hello


[^0]:    My time:

