4 Mental + and –

A The Basics

Adding and subtracting can be done mentally by splitting the second number. Think about how to get a tidy number.

Examples : a) 84 + 8 = ... b) 71 – 6 = ...

Think : a) 84 + 8 = 84 + 6 + 2 = 92

b) 71 – 6 = 71 – 1 – 5 = 65

1 Add

a) 68 + 7 = ... b) 45 + 9 = ...

c) 77 + 8 = ... d) 96 + 5 = ...

e) 144 + 8 = ... f) 357 + 6 = ...

g) 506 + 6 = ... h) 994 + 7 = ...

2 Subtract

a) 75 – 9 = ... b) 83 – 6 = ...

c) 52 – 8 = ... d) 61 – 4 = ...

e) 196 – 7 = ... f) 243 – 5 = ...

g) 724 – 8 = ... h) 501 – 9 = ...

3 Now try these.

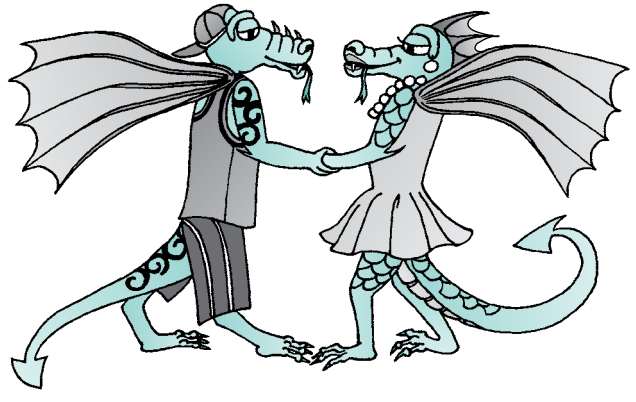
a) 84 + 29 = ***84 + 6 + 23 =*** .....

b) 145 + 36 = ...

c) 328 + 55 = ...

d) 360 + 170 = ...

e) 680 + 540 = ...



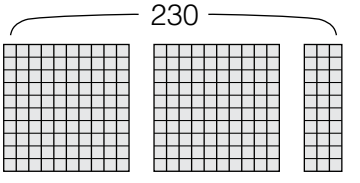
B Up or Down in Tens

1 A bank teller hands over $350 in notes of 10 dollars. How many notes should there be?

.....

2 The teacher asked the class to work out 230 + 80 and 230 – 80. Here's Tyler's strategy.

a) He cuts the number 230 into strips of 10. How many tens are there in 230?



.....

b) How many tens are there in 80? .....

c) Complete : 23 tens + 8 tens = ... tens

therefore 230 + 80 = ...

d) Complete : 23 tens – 8 tens = ... tens

therefore 230 – 80 = ...

Examples : Calculate

1a) 460 + 70 b) 510 – 80

2a) 243 + 80 b) 625 – 60

Working :

1a) 46 tens plus 7 tens is 53 tens Answer : 530

b) 51 tens minus 8 tens is 43 tens Answer : 430

2a) 24 tens (and 3) plus 8 tens is 32 tens (and 3) Answer : 323

b) 62 tens (and 5) minus 6 tens is 56 tens (and 5) Answer : 565

3a) 340 + 50 = ... b) 580 + 60 = ...

c) 680 + 50 = ... d) 440 + 90 = ...

e) 380 – 70 = ... f) 250 – 90 = ...

g) 720 – 40 = ... h) 960 – 80 = ...

4a) 335 + 60 = ... b) 483 + 70 = ...

c) 228 + 90 = ... d) 694 + 50 = ...

e) 297 – 50 = ... f) 315 – 30 = ...

g) 503 – 60 = ... h) 762 – 90 = ...

Mental x and ÷ 25

A Multiplication

Examples : Work out mentally.

a) 20 x 6 b) 7 x 500

Working :

We can work these out by splitting off tens and hundreds.

a) 20 x 6 = 10 x 2 x 6 = 10 x 12 = 120

b) 7 x 500 = 7 x 5 x 100 = 35 x 100 = 3500

1 Work out mentally.

a) 30 x 4 = ... b) 6 x 40 = ...

c) 9 x 20 = ... d) 50 x 3 = ...

e) 70 x 5 = ... f) 80 x 2 = ...

2a) 2 x 600 = ... b) 300 x 3 = ...

c) 800 x 3 = ... d) 5 x 500 = ...

e) 9 x 700 = ... f) 600 x 8 = ...

3a) 4 x 9000 = ...

b) 7000 x 3 = ...

4 Fill in the missing number.

a) 3 x ..... = 210 b) ..... x 2 = 1800

c) 5 x ..... = 1500 d) 300 x ..... = 1200

e) 600 x ..... = 3600 f) 4 x ..... = 3200

5 Zoe found a way to multiply 32 by 20. She says,
"20 lots of 32 is twice as much as 10 lots of 32."
10 x 32 = 320, so 20 x 32 = 640

Use Zoe's way to calculate.

a) 20 x 15 .....

.....

b) 30 x 12 .....

.....

c) 30 x 40 .....

.....

B Division

Examples : Calculate

a) 280 ÷ 4 b) $\frac{4500}{9}$

Working :

a) Since 4 x **70** = 280, then 280 ÷ 4 = **70**

b) Since 9 x **500** = 4500, then $\frac{4500}{9}$ = **500**

1 Complete

a) Since 2 x ..... = 180, then 180 ÷ 2 = ...

b) Since 5 x ..... = 1500, then 1500 ÷ 5 = ...

c) Since 6 x ..... = 360, then $\frac{360}{6}$ = ...

d) Since 4 x ..... = 3200, then $\frac{3200}{4}$ = ...

2 Divide

a) 240 ÷ 3 = ... b) 800 ÷ 4 = ...

c) 250 ÷ 5 = ... d) 2100 ÷ 3 = ...

e) $\frac{1600}{8}$ = ... f) $\frac{120}{4}$ = ...

3 Dylan must place 2500 eggs in cartons which hold 6 eggs each. Dylan knows 100 cartons hold 600 eggs, 10 cartons hold 60 eggs.

How many cartons will be filled? Any eggs left?

.....

.....

.....

.....

.....

Answer :

..... cartons filled

..... eggs left over.

42 Fraction Problems

A Cutting up the Remainders

Example : Seven pies are shared equally between 5 friends.
How much pie does each get?

Working :

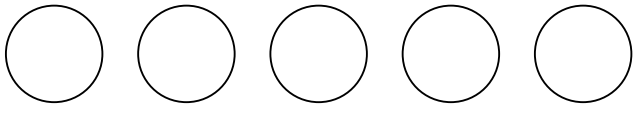
We can give each friend one whole pie then we cut the remaining two pies into five equal pieces.

Each friend gets 1 whole pie and $\frac{1}{5}$ and $\frac{1}{5}$, which is *one and two fifths.*

You can write a number sentence as follows

either $\frac{1}{5}$ of $7 = 1\frac{2}{5}$ or $7 \div 5 = 1\frac{2}{5}$

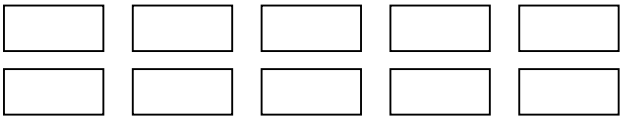
1 Five pies are shared equally between 4 friends.



a) Divide the pies. Colour one share red.

b) Complete : $\frac{1}{4}$ of 5 = ... ; 5 ÷ 4 = ...

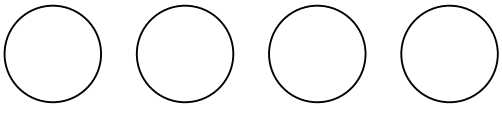
2 Ten chocolate bars are shared evenly between three sisters.



a) Divide the bars. Colour one share red.

b) Complete : $\frac{1}{3}$ of 10 = ... ; 10 ÷ 3 = ...

3 Use the 4 circles to work these out.
Use pencil!



a) $\frac{1}{3}$ of 4 = ... ; 4 ÷ 3 = ...

b) $\frac{1}{6}$ of 4 = ... ; 4 ÷ 6 = ...

c) $\frac{1}{5}$ of 4 = ... ; 4 ÷ 5 = ...

d) $\frac{1}{8}$ of 4 = ... ; 4 ÷ 8 = ...

B Siblings

1 Anna wants to share 6 mini pizzas between 5 people. Write instructions for Anna on how to do this.

.....

.....

.....

2a) Hemi's baby sister sleeps for $\frac{5}{8}$ of a full day.

What fraction of the day is the baby awake? .....

b) How many hours is the baby awake each day?

.....

3 Use a calculator to work these out.

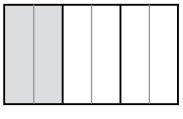
a) $\frac{2}{3}$ of $20.70 .....

b) $\frac{3}{8}$ of 1344 kilometres .....

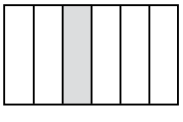
4 Jake has a bag with balloons. He gives $\frac{3}{4}$ of the balloons to his sister Ruby. If Ruby gets nine balloons, how many were there in the bag at the start? .....

.....

5 Dad bought a slab of chocolate which had six equal bars. He gave 2 bars to me, he gave 1 bar to my little brother and he ate the rest himself.



a) What fraction of the slab did I get? .....



b) What fraction of the slab did my brother get? .....

c) What fraction of the slab did dad get? .....

d) Complete : $1 - \frac{1}{3} - \frac{1}{6} =$ .....

Decimal Problems 1 57

A Estimating and Calculating

1 Mark went out to buy an iPod. The list shows what he bought.

item	price	estimate
iPod	$ 249.00	.....
earphones	$ 44.95	.....
belt pouch	$ 27.50	.....
computer cable	$ 7.25	.....
Total	.....	.....

a) Jot down an estimated whole dollar price for each item.

b) Add all estimates in your head. Write this total on the table also.

c) Now work out the real total amount Mark has to pay.

d) Is your estimate close to the real total? Is it lower or is it higher? By how much?

.....

2 A clothing factory needs 1.95 metres of fabric for each school uniform skirt. They will be making 300 of these skirts.

a) Round 1.95 to the nearest whole number. .....

b) Estimate how many metres of fabric are needed for 300 skirts. .....

c) Use your calculator to calculate the precise amount of fabric needed. .....

3a) One action figure costs $26.35. Round $26.35 to the nearest dollar. .....

b) Estimate the cost of 4 action figures. .....

c) Use a calculator to find the exact cost of 4 action figures. .....

B Gardening

For each question estimate the answer first, then use a calculator for the exact answer.

1 Four litres of fence paint cost $58.40. How much is that per litre?

Estimation : ..... Calculation : .....

2 Plastic garden hose costs $1.85 per metre and a reel costs $24.95. How much does a reel with 10 metres of garden hose cost?

Estimation : .....

Calculation : .....

3 A fence has 5 sections which are 3.42 m long and 2 sections which are 2.95 m long. How long is it in total?

Estimation : .....

Calculation : .....

62 Continue a Pattern

Algebra

A Number Chains

1 Work out the nature of the pattern. Then continue each number chain with two more numbers.

a) 5, 14, 23, 32, ..., ...

b) 267, 277, 287, 297, ..., ...

c) 2.2, 2.4, 2.6, 2.8, ..., ...

d) 7, 4, 1, -2, ..., ...

2 Fill in the missing numbers in these chains.

a) 7, ..., 21, 28, ..., 42, ...

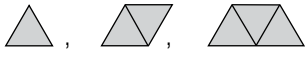
b) 46, ..., 58, 64, ..., 76

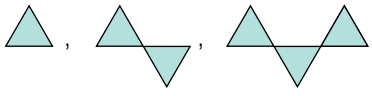
c) 1.98, ..., ..., 2.01, ..., 2.03

d) ....., ..., 1.2, 1.6, ..., 2.4

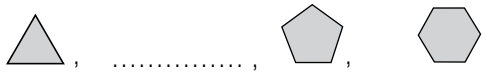
B Patterns with Shapes

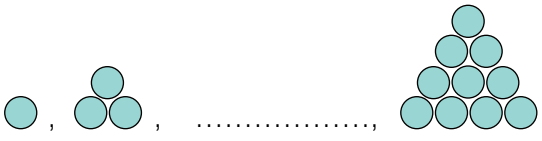
1 Draw the next shape in these chains of shapes.

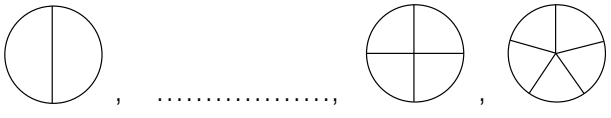
a)  .....

b)  .....

2 Draw the missing shape in the chain.

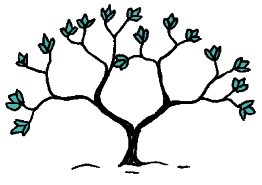
a) 

b) 

c) 

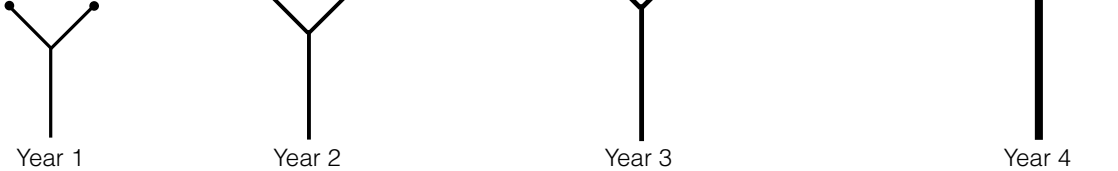
C Budding Plants

The 3 diagrams below show the growth of a plant over 3 years.



1 Count the number of buds on the plant. Fill in this table.

year	1	2	3	
number of buds	2			



2a) How many buds do you expect the plant to have in year 4? .....

b) Finish the drawing of the plant in year 4.

3a) Describe what happens to the number of buds each year. .....

.....

b) If this plant continues to grow this way, how many buds do you expect in year 8? .....

.....

74 Task 1

A The Walkathon

Sunridge School is organising a walkathon : this will be a sponsored walk around a sports track, where pupils raise money by getting donations for every circuit they walk. You are asked to estimate how much money the school can expect to raise, using the information below.

The circuit is 250 metres long and every pupil aged 9 or older is expected to walk on average 8 kilometres; the younger ones should walk on average 3 kilometres.

The school has about 200 pupils aged 9 or older and about 300 pupils under 9. For various reasons about 10% of each age group will be unable to participate.

The principal is hoping that each participant will get sponsored for about $1.20 per circuit.

1 Show how you estimate the expected amount of money raised.

working space

A Kilometres and Metres

Kilometre is the unit used for measuring long distances.

1 km = 1000 m $\frac{1}{10}$ km = 100 m

In decimals 0.1 km = 100 m

Example :

a) Describe the distance 8.3 km using km and m.

b) Write the distance 8.3 km in metres only.

Working :

a) 8.3 km = 8 km + 0.3 km = 8 km and 300 m.

b) 8.3 km = 8000 m + 300 m = 8300 m.

1a) Describe the distance 5.8 km using km and m.

5.8 km = 5 km + 0.8 km

this is 5 km and m

b) Write the distance 5.8 km in metres only.

.....

2 How many metres in each?

a) 0.2 km = ... m

b) 4 km = ... m

c) 4.2 km = ... m

3 The cross-country track is 3 km long. Ruby ran the cross-country track and then she ran 400 m back home.

What is the total distance of Ruby's run? Write your answer in metres first and then in kilometres.

3 km + 400 m equals

..... metres or

..... kilometres

4 How many kilometres in each?

a) 6500 m = ... km

b) 70 000 m = ... km

c) 800 m = ... km

B Coin Trail

1 The students of Bay View School make a coin trail to raise money for the children's hospital. Six hundred pupils each brought a dollar coin to lay on the trail. We will estimate the length of the coin trail.

a) Measure the width of a dollar coin. Round your answer to the nearest centimetre.

The width of a dollar coin is about ..... cm.

b) About how long will the trail of 600 coins be?

.....

c) Change your answer from centimetres to metres.

.....

2 If you cut 128 cm off a 3 m rope, how long is the left over piece? Give your answer first in centimetres, then change to metres.

.....

.....

3 Terry ran 5 times around a 400 m track. What distance did he run? Give your answer first in metres, then change to kilometres.

.....

.....

4 Yani counted his steps as he walked from his house to the dairy. He counted 800 steps. Yani's step length is 50 cm. How far is the dairy from Yani's house?

a) Give your answer in cm. ..... cm

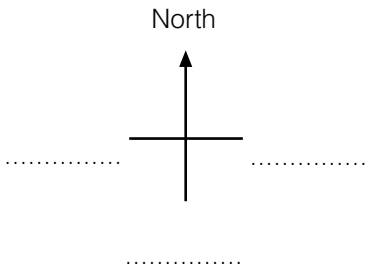
b) Change your answer to m. ..... m

c) Write your answer in km. ..... km

94 Compass Directions

A Compass Directions

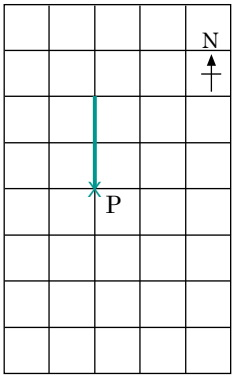
1



Fill in the three missing compass directions.

2 A walk starts at P. First go 2 squares north.

a) Draw the rest of the walk : Go 1 square west, then 4 squares south, then 3 squares east.



b) Write the instructions to get back to P using the shortest route over the grid.

Walk ….. squares ……

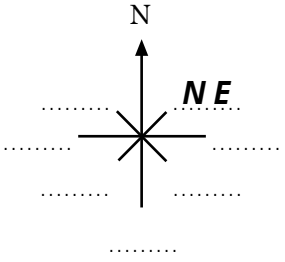
then ….. squares ……

B North of Tokoroa

1a) What does NE mean?

……

b) Complete the compass directions in the diagram.



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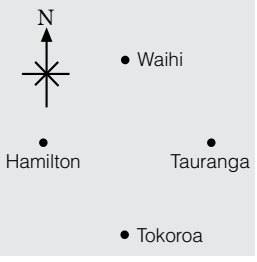


Complete these with a compass direction.

For example : Waihi is north of Tokoroa.

a) Hamilton is …….. of Tauranga.

b) Waihi is …….. of Tauranga.

c) Tokoroa is …….. of Waihi.

d) Hamilton is …….. of Waihi.

C Pirate Island

1 Zoe and Beck sailed to Pirate Island and tied their boat to the jetty. They explored the island. Mark their journey in red.

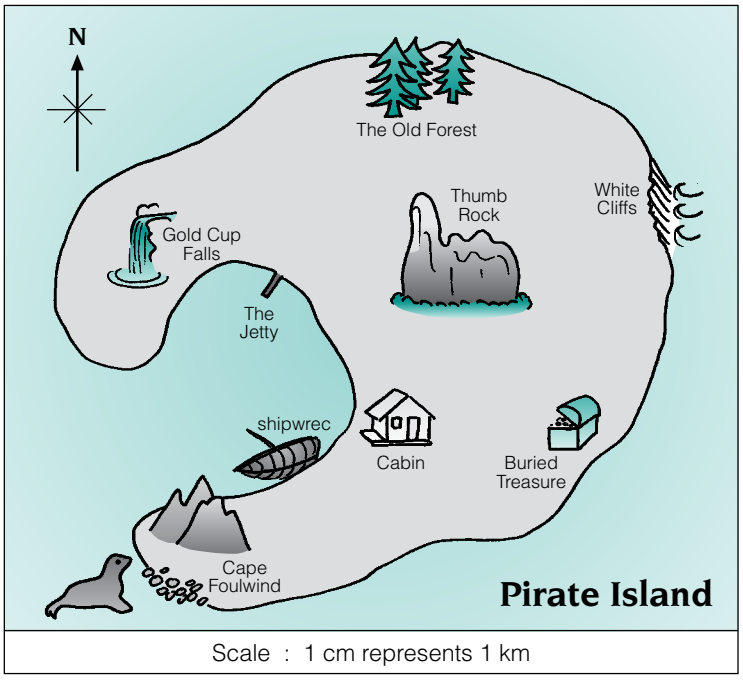
a) First they walked 2 km in a northeasterly direction.

b) Then they turned and walked east until they reached the shore.

c) Then they walked in a straight line towards the cabin. In what compass direction and how far was that leg of the trip?

direction : ……..

distance : ……..



2 Decide where the two explorers should go from the cabin. Describe their journey.

……

……

A Comparing Prices

1 Alice went to the supermarket to buy flour. She is looking at the 'house brand' flour and has the choice between a 1.5 kg bag for $2.09 or a 2.5 kg bag for $2.99.

a) Using estimation Alice worked out that the flour in the 1.5 kg bag costs about 70 cents per 500g. How did she do that?

.....

.....

b) Estimate the cost of 500g of flour in the 2.5kg bag.

.....

c) Which size bag is better value for money? .....

d) Can you think of a reason why Alice may still decide to buy the other bag?

.....

2 Alice collected prices of house brand bottled water. There are many different sizes of bottles and containers. (Not including sipper tops). Compare prices and write a comment.

Housebrand Still Spring Water		
1.5 L,	$0.89 ea	
4 L,	$3.00 ea	
6 L,	$4.99 ea	
350 mL,	12 pack	$5.79
600 mL,	24 pack	$9.99

Working Space

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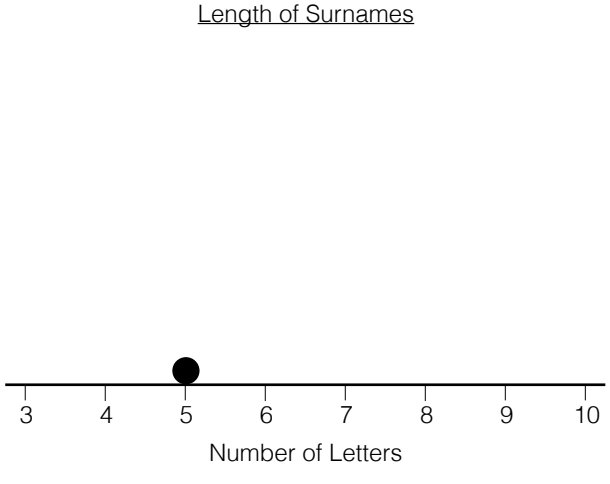
116 Class Surveys 2

A Surnames

Chloe wants to investigate the number of letters in surnames. Here is a list of the surnames of all the pupils in Chloe's class.

Black	Gordon	Nieuwehuys
Boyes	Halt	Parker
Cheong	Hooper	Patel
Cox	Isaac	Roderick
Craven	Jarvis	Saunders
Donoghue	Keepa	Singh
Duggan	Kerr	Te Kaha
Dunn	Knowles	Tompson
Evans	Lake	Ward
Fitzgerald	McNally	Whaitiri

1 Count the number of letters in each surname and record the result in the dot plot.
e.g. *Black* has 5 letters.



2 Write the correct *numbers* in these comments.

a) The shortest surname has …… letters, the longest has …… letters.

b) The most common surname length is …… letters.

c) Nobody in Chloe's class has a surname with …… letters.

d) …… surnames have less than 6 letters.

B Trains, Boats and Planes

Room 10 is doing a survey on travel. Pupils raise their hand if they have gone on a tour bus, a train, a plane, a ferry or a helicopter.

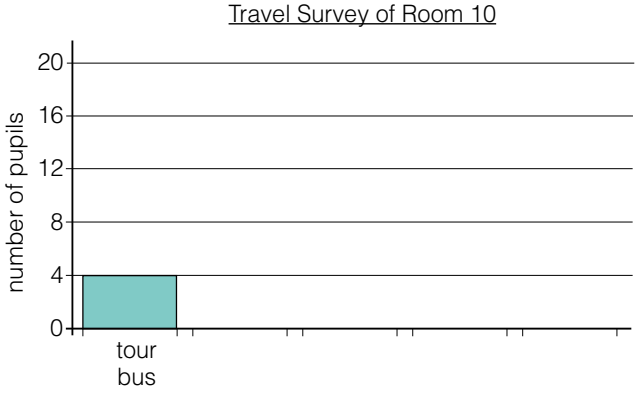
1 How should the questions be worded? Choose A or B.

(A) Have you ever *been* on a . . . ?

(B) Have you ever *travelled* on a . . .?

2 This tally chart shows the result of their survey. Complete a bar chart for this data.

transport	tally
tour bus	𝍸 |
train	𝍸 𝍸 𝍸 ||
plane	𝍸 ||
inter-island ferry	𝍸 𝍸 |||
helicopter	||



3 Where do you think Room 10 is more likely to be?
(A) in Wellington or (B) in Queenstown.

Reason : ……..

……

4 Do we know from the results how many pupils are in Room 10? Explain ……...

……

……

……

Answer Section A1

Page 4 - Mental + and −

A1 a) 75 b) 54 c) 85 d) 101
e) 152 f) 363 g) 512 h) 1001
A2 a) 66 b) 77 c) 44 d) 57
e) 189 f) 238 g) 716 h) 492
A3 a) 84 + 6 + 23 = 113 b) 145 + 5 + 31 = 181
c) 328 + 2 + 53 = 383 d) 360 + 40 + 130 = 530
e) 680 + 20 + 520 = 1220

B1 35 notes
B2 a) 23 b) 8 c) 31 tens, 310
d) 15 tens, 150
B3 a) 390 b) 640 c) 730 d) 530
e) 310 f) 160 g) 680 h) 880
B4 a) 395 b) 553 c) 318 d) 744
e) 247 f) 285 g) 443 h) 672

Page 5 - Making Adjustments

A1 a) 21 b) 65 c) 31 d) 28
e) 47 f) 18 g) 41 h) 27
A2 $24
A3 a) 42 b) 15 c) 39 d) 71
e) 58 f) 122 g) 105 h) 334

B1 a) 28, 28 b) 16, 16 c) 57, 57 d) 83, 83
B2 a) 19, 19 b) 81 c) 16 d) 29
e) 58 f) 106

Page 6 - Adding or Subtracting Too Much

A1 a) 34 + 50 − 1 = 83 b) 43 + 30 − 2 = 71
c) 56 + 40 − 3 = 93 d) 122 + 50 − 2 = 170
e) 575 + 20 − 1 = 594 f) 374
g) 491 h) 680
A2 a) 73 − 60 + 1 = 14 b) 91 − 40 + 2 = 53
c) 680 − 70 + 3 = 613 d) 752 − 50 + 4 = 706
e) 300 − 50 + 2 = 252 f) 817
g) 628 h) 229

B1 a) 87 + 100 − 1 = 186 b) 400 + 65 − 2 = 463
c) 103 + 200 − 3 = 300 d) 300 + 349 − 5 = 644
e) 818 + 700 − 2 = 1516
B2 a) 123 − 100 + 1 = 24 b) 605 − 200 + 2 = 407
c) 834 − 100 + 3 = 737 d) 1000 − 800 + 4 = 204
e) 2463 −1000 + 2 = 1465
B3 450 − 200 + 2 = $252

Page 7 - Doubles and Triples

A1 a) 140 + 140 − 2 + 1 = 280 − 1 = 279
b) 320 + 320 + 3 − 1 = 640 + 2 = 642
c) 100 + 100 − 3 − 2 = 200 − 5 = 195
d) 250 + 250 − 3 + 4 = 500 + 1 = 501
e) 30 + 30 + 30 + 2 − 1 + 3 = 90 + 4 = 94
f) 50 + 50 + 50 + 4 − 2 + 1 = 150 + 3 = 153

B1 a) 200 + 419 = 619 b) 687 + 400 = 1087
c) 400 + 457 = 857 d) 422 + 10 = 432
e) 700 − 69 = 631 f) 500 + 236 = 736
C1 60 + 60 + 60 + 2 − 1 − 3 = 178
C2 He pays 995 + 70 + 5 = 1070
1280 − 1070 = 210, $210

Page 8 - More Strategies

A1 a) 16 b) 32 c) 25 d) 81
e) 62 f) 28
A2 a) 715 + 195 = 910 b) 353 + 267 = 620
c) 241 + 589 = 830
A3 a) 182 b) 357 c) 936 d) 749
e) 815 f) 573

B1 a) 79 + 200 = 279 b) 7 + 100 = 107
c) 36 + 100 = 136 d) 1 + 500 = 501
e) 69 + 200 = 269 f) 77 + 500 = 577
B2 a) 2 + 400 + 20 = 422 b) 15 + 300 + 50 = 365
c) 74 + 200 + 10 = 284 d) 37 + 400 + 30 = 467
B3 Top level : 34 Second layer : 168, 202
Third layer : 484, 316, 114

Page 9 - Read and Solve

A1 42 A2 $330
A3 $29 A4 $15
A5 675 A6 862
A7 428 A8 152
A9 284 A10 $155

B1 82 years old or 26 years old B2 $428
B3 Numbers top left - clockwise
157, 400, 243, 282, 39, 537, 498, 655
C1 320 + 320 - 3 + 4 = 641 km
C2 36 + 200 + 20 = 256 km
C3 Jodi - 110 km, Ravi - 90 km

Page 10 - Counting

A1 a) 3761 b) 5301 c) 3759 d) 5299
A2 a) 460 b) 9810 c) 440 d) 9790
A3 a) 1700 b) 7100 c) 1500 d) 6900
A4 a) ninety-nine thousand b) one hundred thousand
A5 a) 7995 b) 8085 c) 8985 d) 17 985
A6 a) 8413, 8174, 1024, 975, 579
b) 3960, 3906, 3609, 3096, 3069

B1 a) 139 b) 13 B2 a) 50 b) 500
B3 a) 2 b) 0 c) 1 d) 7
B4 a) 25 b) 6 c) 10 d) 78
B5 a) 250 b) 64 c) 104 d) 789

Page 11 - Place Values 1

A1 a) ninety thousand, two hundred and sixty.
b) three hundred and twenty-one thousand and six.
A2 a) eight hundred b) eight hundred thousand
c) eight thousand
A3 a) 2084 b) 54 360 c) 295 000
A4 one million (1 000 000)

B1 a) < b) > c) < d) <
e) > f) >
B2 a) Stewart Island b) Chatham Island
c) twenty eight thousand and five hundred
B3 The Southland region has 60 000 more people.

Page 12 - Place Values 2

A1 a) 100 b) 452
A2 a) 100 b) 1000 c) 3400
A3 a) 708 b) 70

B1 a) 26 643 b) 71 602 c) 37 744 d) 925
e) 10 000 f) 10 g) 800 051 h) 809 051
i) 889 808 j) 989 798 k) 1 l) 100

Page 13 - Rounding

A1 a) any number between 136 - 139
b) 601 - 649 c) 5281 - 5284
d) 17501 - 17 999
A2 a) 350 b) 900 c) 1870 d) 1000
e) 32 000
A3 a) 950 and 960; closer to 950
b) 900 and 1000; closer to 1000
c) 2470 and 2480; closer to 2480
d) 2400 and 2500; closer to 2500
e) 2000 and 3000; closer to 2000
f) 48000 and 49000; closer to 49000

B1 a) 80 b) 140 c) 250 d) 740
e) 1290 f) 4270
B2 a) 300 b) 800 c) 1300 d) 4300
e) 7700 f) 24 500
B3 a) 1000 b) 4000 c) 8000 d) 24 000
e) 64 000 f) 146 000
B4 a) 5400 km b) 12 000 km

Page 14 - Large Numbers + and −

A1 a) 7350 b) 4750 c) 4390 d) 7870
e) 6470 f) 5890 g) 13 480 h) 9980
i) 9510 j) 8349 k) 4049 l) 3429
A2 a) 2720 b) 6120 c) 6700 d) 1740
e) 7540 f) 7690 g) 330 h) 1930
i) 2240 j) 8009 k) 8209 l) 8969

B1 Across : 1 - 1644, 6 - 2075, 8 - 3918, 10 - 39
12 - 516, 13 - 740, 14 - 85, 15 - 6050, 16 - 7840
18 - 2163.
Down : 2 - 6216, 3 - 408, 4 - 47, 5 - 4358, 7 - 5345
9 - 9157, 11 - 9000, 13 - 7006, 15 - 641, 17 - 82

Page 15 - Pen and Paper Adding

A1 a) 625 600 + 20 + 5
348 300 + 40 + 8
973 900 + 60 + 13
b) 781 700 + 80 + 1
293 200 + 90 + 3
1074 900 + 170 + 4
c) 574 500 + 70 + 4
883 800 + 80 + 3
1457 1300 + 150 + 7
d) 4217 4000 + 200 + 10 + 7
2643 2000 + 600 + 40 + 3
6860 6000 + 800 + 50 + 10
e) 3065 3000 + 60 + 5
2864 2000 + 800 + 60 + 4
5929 5000 + 800 + 120 + 9
f) 6918 6000 + 900 + 10 + 8
1494 1000 + 400 + 90 + 4
8412 7000 + 1300 + 100 + 12

B1 a) 694 b) 791 c) 658 d) 928
e) 641 f) 1484
B2 a) 7865 b) 9095 c) 9415 d) 11 950
e) 14 344 f) 4650
B3 a) 1220 b) 10 386

Page 16 - Pen and Paper Subtracting

A1 a) 91 b) 16 c) 28
500 600 900
1000 3000 5000
1591 3616 5928

A2 a) 72 b) 30 c) 51
1000 600 500
850 3000 2000
1922 508 231
4138 2782

B1 a) 792 700 + ~~90~~ (80) + ~~2~~ (12)
- 467 400 + 60 + 7
325 300 + 20 + 5

b) 628 ~~600~~ (500) + ~~20~~ (120) + 8
- 251 200 + 50 + 1
377 300 + 70 + 7

c) 744 ~~700~~ (600) + ~~40~~ (130) + ~~4~~ (14)
- 186 100 + 80 + 6
558 500 + 50 + 8

d) 407 ~~400~~ (300) + ~~0~~ (100) + 7
- 235 200 + 30 + 5
172 100 + 70 + 2

e) 3528 ~~3000~~ (2000) + ~~500~~ (1500) + ~~20~~ (10) + ~~8~~ (18)
- 1709 1000 + 700 + + 9
1819 1000 + 800 + 10 + 9