



Problem solving tasks

NA10 Estimation strategies

Student Book page 51

Twelve facts

Two numbers multiply to give the answer 360. What could the numbers be?

Can you list all twelve whole number multiplication facts that are possible?



Mark or highlight the strategy or strategies you used to solve this problem.

1	Guess and check	6	Check for relevant or irrelevant information
2	Make a table or chart	7	Find smaller parts of a large problem
3	Draw a picture or diagram	8	Make an organised list
4	Act out the problem	9	Solve a simpler problem
5	Find a pattern or use a rule	10	Work backwards

NA15 Decimal addition and subtraction

Student Book page 61

Carpark fees

Work out the parking fees incurred by the following three vehicles at the City Airport Car Park.

- a Car 1** **b Car 2** **c Car 3**
 55 min 1 h 45 min 2 h 10 min

- d** How much more expensive would it be to pay for a 5-hour stay, paying by the half-hour instead of buying a $\frac{1}{2}$ day ticket?

City Airport Car Park Fees

First 30 min..... \$5.55
(or part thereof)

Each 30 min thereafter..... \$2.40
(or part thereof)

Half day..... \$14.00
(or part thereof)

Full day..... \$16.00
(or part thereof)

Mark or highlight the strategy or strategies you used to solve this problem.

1	Guess and check	6	Check for relevant or irrelevant information
2	Make a table or chart	7	Find smaller parts of a large problem
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NA15 Decimal addition and subtraction

Know

Use the Stoney Creek National Park sign to work out the distance of these walks.

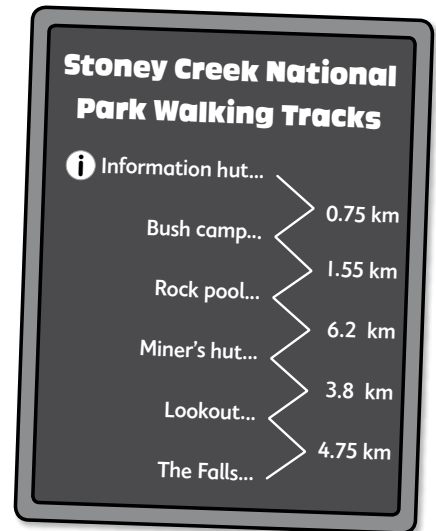
a **i** to Bush camp and return

d Bush camp to the Lookout

b **i** to the Miner's hut

e **i** to The Falls and return

c Rock pool to The Falls



Apply

Try to write the answer to these without any pencil and paper working out, or as little as possible.



f | - 0.4

g | - 0.75

h | - 0.68

i | - 0.333

j | - 0.125



MG6 Read and interpret timetables

Know



Refer to **The City to Summer Beach** train timetable to answer these questions.

The City to Summer Beach							XP = Express Service
	The City	Downtown	The Mall	Parklands Stadium	Tranquil Valley	Riverview Harbour	Summer Beach
	pm	pm	pm	pm	pm	pm	pm
Monday	4:00 XP						4:40
	5:00	5:05	5:10	5:30	5:35	5:40	5:50
Tuesday	4:00	4:05	4:10	4:30	4:35	4:40	4:50
Wednesday	4:00 XP						4:40
	5:00	5:05	5:10	5:30	5:35	5:40	5:50
Thursday	4:00	4:05	4:10	4:30	4:35	4:40	4:50
Friday	4:00 XP						4:40
	5:00	5:05	5:10	5:30	5:35	5:40	5:50
Saturday	4:00	4:05	4:10	4:30	4:35	4:40	4:50

a When does the train stop at The Mall on Mondays?

b How long does a regular journey between Downtown and Tranquil Valley take?

c How long does it take the express train to travel between The City and Summer Beach?

d When does the train arrive at Summer Beach on Tuesdays?

e On which days does the express service operate?

Apply

f Where should the regular train arrive ten minutes after leaving The City?

g If you want to get to Parklands Stadium, could you use the express service?

h After leaving The Mall, where will I be if I get off at the second stop?

i How much **travel time** is saved by catching the express service instead of the regular service?

j How long is each stage of the Saturday train service?

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Date

__/__/__

Know

+

Apply

=

Total