EssentialAssessment
Victorian Curriculum Resource Generator

Use the four operations

Name: _____ Date: _____

Number and Place Value	Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers and make estimates for these computations (VCMNA209)

Understanding

1. Add the following numbers:

a) $2380 + 493$ **c)** $5749 + 5498$ **e)** $53798 + 43702$

b) $9857 + 548$ **d)** $5784 + 3973$ **f)** $91972 + 48913$

2. Subtract the following numbers:

a) $5743 - 839$ **c)** $4292 - 2567$ **e)** $65783 - 48320$

b) $9238 - 547$ **d)** $6478 - 4289$ **f)** $70439 - 43528$

Fluency

1. Multiply the following numbers:

a) 493×4 **c)** 5473×8 **e)** 6847×7

b) 562×3 **d)** 4082×6 **f)** 4705×9

2. Answer the following questions:

a) $4 \times 8000 =$ **g)** $6000 \div 2 =$

b) $5 \times 50000 =$ **h)** $9000 \div 3 =$

c) $7 \times 3000 =$ **i)** $32000 \div 8 =$

d) $3 \times 12000 =$ **j)** $21000 \div 3 =$

e) $8 \times 9000 =$ **k)** $36000 \div 4 =$

f) $2 \times 40000 =$ **l)** $28000 \div 7 =$

Problem Solving

1. Brody has spent 3 years saving $34,000 for his holiday. It is going to cost him $7200 for the Europe leg of his trip and $14215 for the USA leg of the trip. If he allows another $6500 for spending money, how much should he have when he returns from his trip?

2. Riddles Bus service is travelling 960 km to Sydney. If the driver plans to average 80km/h, how long will the trip take?

3. Pizza dough requires 140g of flour. If you are to cook 8 pizzas, how much flour will you need?

Reasoning

1. Fiona is planning to share a bag of lollies evenly with her Grade 6 class. If there are 147 lollies in the bag and 14 students in her class:

a) How many lollies will each student get?

b) Will there be any lollies left over?

2. What is…

a) Twice as much as 298? _____

b) Half as much as 426? _____

c) Twice as much as 355? _____

d) Half as much as 546? _____

e) Twice as much as 184? _____

f) Half as much as 264? _____

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Understanding

1. Add the following numbers:

a) 2380 + 493 = **2873**

b) 9857 + 548 = **10405**

c) 5749 + 5498 = **11247**

d) 5784 + 3973 = **9757**

e) 53798 + 43702 = **97500**

f) 91972 + 48913 = **140885**

2. Subtract the following numbers:

a) 5743 − 839 = **4904**

b) 9238 − 547 = **8691**

c) 4292 − 2567 = **1725**

d) 6478 − 4289 = **2189**

e) 65783 − 48320 = **17463**

f) 70439 − 43528 = **26911**

Fluency

1. Multiply the following numbers:

a) 493 × 4 = **1972**

b) 562 × 3 = **1686**

c) 5473 × 8 = **43784**

d) 4082 × 6 = **24492**

e) 6847 × 7 = **47929**

f) 4705 × 9 = **42345**

2. Answer the following questions:

a) $4 \times 8000 =$ **32000**

b) $5 \times 50000 =$ **250000**

c) $7 \times 3000 =$ **21000**

d) $3 \times 12000 =$ **36000**

e) $8 \times 9000 =$ **72000**

f) $2 \times 40000 =$ **80000**

g) $6000 \div 2 =$ **3000**

h) $9000 \div 3 =$ **3000**

i) $32000 \div 8 =$ **4000**

j) $21000 \div 3 =$ **7000**

k) $36000 \div 4 =$ **9000**

l) $28000 \div 7 =$ **4000**

Problem Solving

1. Brody has spent 3 years saving $34,000 for his holiday. It is going to cost him $7200 for the Europe leg of his trip and $14215 for the USA leg of the trip. If he allows another $6500 for spending money, how much should he have when he returns from his trip?

$6085

2. Riddles Bus service is travelling 960km to Sydney. If the driver plans to average 80km/h, how long will the trip take?

12 hours

3. Pizza dough requires 140g of flour. If you are to cook 8 pizzas, how much flour will you need?

1120g of flour

Reasoning

1. Fiona is planning to share a bag of lollies evenly with her Grade 6 class. If there are 147 lollies in the bag and 14 students in her class:

a) **How many lollies will each student get?**

10

b) **Will there be any lollies left over?**

7

2. What is…

a) **Twice as much as 298?** 596

b) **Half as much as 426?** 213

c) **Twice as much as 355?** 710

d) **Half as much as 546?** 273

e) **Twice as much as 184?** 368

f) **Half as much as 264?** 132