



Printable assessments

CAMI Mathematics: Grade 4

1. Numbers, operations and relationships	
1.1	WHOLE NUMBER:
Estimation and breaking down method	
A. Estimation	
Estimate the answer by rounding off to one significant figure:	
1.	42×94
2.	38×95
3.	66×78
4.	59×32
5.	96×63
B. Breaking down method	
Calculate the following by using the breaking down method.	
1.	$7\,253 + 147$
2.	$9\,622 - 222$
3.	$8\,236 - 7\,115$
4.	$1\,256 + 2\,532$
5.	$8\,765 - 2\,315$



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MEMO

A. Estimation [1.7.2.1]

1. 42×94
 $\approx 40 \times 90$
 $\approx 3\ 600$
Actual value = 3 948

2. 38×95
 $\approx 40 \times 100$
 $\approx 4\ 000$
Actual value = 3 610

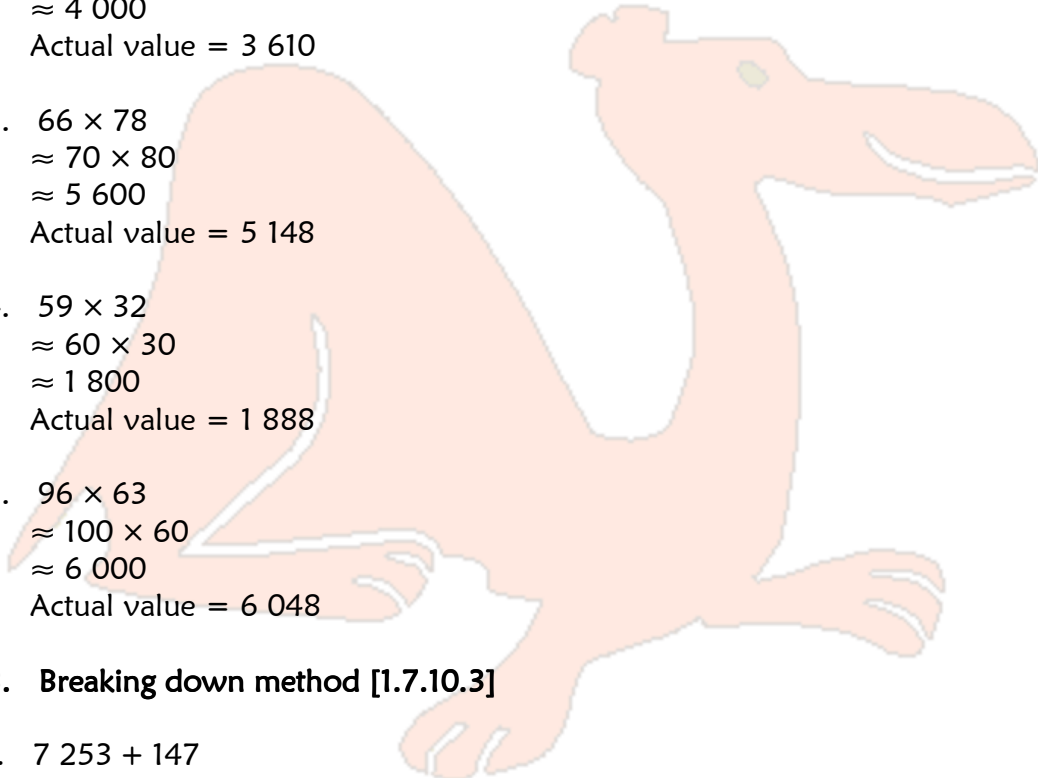
3. 66×78
 $\approx 70 \times 80$
 $\approx 5\ 600$
Actual value = 5 148

4. 59×32
 $\approx 60 \times 30$
 $\approx 1\ 800$
Actual value = 1 888

5. 96×63
 $\approx 100 \times 60$
 $\approx 6\ 000$
Actual value = 6 048

B. Breaking down method [1.7.10.3]

1. $7\ 253 + 147$
 $= (7\ 000 + 200 + 50 + 3) + (100 + 40 + 7)$
 $= 7\ 000 + (200 + 100) + (50 + 40) + (3 + 7)$
 $= 7\ 000 + 300 + 90 + 10$
 $= 7\ 000 + (300 + 100)$
 $= 7\ 000 + 400$
 $= 7\ 400$





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2. $9\ 622 - 222$
 $= (9\ 000 + 600 + 20 + 2) + (200 + 20 + 2)$
 $= 9\ 000 + (600 + 200) + (20 + 20) + (2 + 2)$
 $= 9\ 000 + 800 + 40 + 4$
 $= 9\ 844$

3. $8\ 236 - 7\ 115$
 $= (8\ 000 + 200 + 30 + 6) - (7\ 000 + 100 + 10 + 5)$
 $= (8\ 000 - 7\ 000) + (200 - 100) + (30 - 10) + (6 - 5)$
 $= 1\ 000 + 100 + 20 + 1$
 $= 1\ 121$

4. $1\ 256 + 2\ 532$
 $= (1\ 000 + 200 + 50 + 6) + (2\ 000 + 500 + 30 + 2)$
 $= (1\ 000 + 2\ 000) + (200 + 500) + (50 + 30) + (6 + 2)$
 $= 3\ 000 + 700 + 80 + 8$
 $= 3\ 788$

5. $8\ 765 - 2\ 315$
 $= (8\ 000 + 700 + 60 + 5) - (2\ 000 + 300 + 10 + 5)$
 $= (8\ 000 - 2\ 000) + (700 - 300) + (60 - 10) + (5 - 5)$
 $= 6\ 000 + 400 + 50 + 0$
 $= 6\ 450$

