



Printable assessments

CAMI Mathematics: Grade 4

1. Numbers, operations and relationships	
1.1	WHOLE NUMBERS:
	Addition and subtraction
1.1	Building up and breaking down numbers. (a) $484 + 537 + 273$ (b) $289 + 492 + 447$ (c) $116 + 384 + 145$
1.2	Rounding off and compensating. (a) $26 + 95$ (b) $57 + 96$ (c) $25 + 15$
1.3	Doubling the following numbers. (a) 25 (b) 40 (c) 15
1.4	Halve the following numbers. (a) 248 (b) 306 (c) 480
1.5	Subtraction. (a) $724 - 321$ (b) $352 - 152$ (c) $973 - 322$
1.6	Use the associative property. (a) $(78 + 24) + 16$ (b) $3 + (7 + 62)$ (c) $2 \times (5 \times 88)$
1.7	Use the distributive property. (a) $12(7 + 9)$ (b) $4(12 + 11)$
1.8	Use the commutative property. (a) $7 \times (20 \times 7)$ (b) $7 + (16 + 19)$



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MEMO

1. Building up and breaking down numbers. [1.7.10.2]

(a) $484 + 537 + 273$
 $= (400 + 500 + 200) + (80 + 30 + 70) + (4 + 7 + 3)$
 $= (1\ 000) + (180) + (14)$
 $= 1\ 000 + (100 + 100) + (80 + 10) + 4$
 $= 1\ 000 + 200 + 90 + 4$
 $= 1\ 294$

(b) $289 + 492 + 447$
 $= (200 + 400 + 400) + (80 + 90 + 40) + (9 + 2 + 7)$
 $= (1\ 000) + (210) + (18)$
 $= 1\ 000 + 200 + (10 + 10) + 8$
 $= 1\ 000 + 200 + 20 + 8$
 $= 1\ 228$

(c) $116 + 384 + 145$
 $= (100 + 300 + 100) + (10 + 80 + 40) + (6 + 4 + 5)$
 $= (500) + (130) + (15)$
 $= (500 + 100) + (30 + 10) + 5$
 $= 600 + 40 + 5$
 $= 645$

1.2 Rounding off and compensating. [1.7.6.1]

(a) $26 + 95$
 $= 26 + 4 + 95 - 4$
 $= 30 + 91$
 $= 121$

(b) $57 + 96$
 $= 57 + 3 + 96 - 3$
 $= 60 + 93$
 $= 153$

(c) $25 + 15$
 $= 25 + 5 + 15 - 5$
 $= 30 + 10$
 $= 40$



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1.3 Doubling the following numbers. [3.1.9.2]

- (a) 25 $25 \times 2 = 50$ / $25 + 25 = 50$
(b) 40 $40 \times 2 = 80$ / $40 + 40 = 80$
(c) 15 $15 \times 2 = 30$ / $15 + 15 = 30$

1.4 Halve the following numbers. [3.1.9.3]

- (a) 248 124
(b) 306 153
(c) 480 240

1.5 Subtraction. [1.7.10.6]

- (a) $724 - 321$
 $= (700 - 300) + (20 - 20) + (4 - 1)$
 $= 400 + 0 + 3$
 $= 403$
- (b) $352 - 152$
 $= (300 - 100) + (50 - 50) + (2 - 2)$
 $= 200 + 0 + 0$
 $= 200$
- (c) $973 - 322$
 $= (900 - 300) + (70 - 20) + (3 - 2)$
 $= 600 + 50 + 1$
 $= 651$

1.6 Associative properties. [1.7.7.1]

- (a) $(78 + 24) + 16$
 $= 78 + (24 + 16)$
 $= 78 + 40$
 $= 118$
- (b) $3 + (7 + 62)$
 $= (3 + 7) + 62$
 $= 10 + 62$
 $= 72$



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$$\begin{aligned} \text{(c)} \quad & 2 \times (5 \times 88) \\ & = (2 \times 5) \times 88 \\ & = 10 \times 88 \\ & = 880 \end{aligned}$$

1.7 Distributive properties. [1.7.7.4]

$$\begin{aligned} \text{(a)} \quad & 12(7 + 9) \\ & = (12 \times 7) + (12 \times 9) \\ & = 84 + 108 \\ & = 192 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 4(12 + 11) \\ & = (4 \times 12) + (4 \times 11) \\ & = 48 + 44 \\ & = 92 \end{aligned}$$

1.8 Commutative property. [1.7.7.6]

$$\begin{aligned} \text{(a)} \quad & 7 \times (20 \times 7) \\ & = 7 \times (7 \times 20) \\ & = 7 \times 140 \\ & = 980 \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & 7 + (16 + 19) \\ & = 7 + (19 + 16) \\ & = 7 + 35 \\ & = 42 \end{aligned}$$

