Distributive Property Multiplication (A)

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 97879×7
$= (90000 + 7000 + 800 + 70 + 9) \times (7)$
$= (90000 \times 7) + (7000 \times 7) + (800 \times 7) + (70 \times 7) + (9 \times 7)$
$= 630000 + 49000 + 5600 + 490 + 63 = \boxed{685153}$

1. 52429×8

2. 50262×7

3. 40856×4

4. 99676×9

5. 10924×5

Distributive Property Multiplication (A) Answers

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 97879×7
$= (90000 + 7000 + 800 + 70 + 9) \times (7)$
$= (90000 \times 7) + (7000 \times 7) + (800 \times 7) + (70 \times 7) + (9 \times 7)$
$= 630000 + 49000 + 5600 + 490 + 63 = \boxed{685153}$

1. 52429×8
$= (50000 + 2000 + 400 + 20 + 9) \times (8)$
$= (50000 \times 8) + (2000 \times 8) + (400 \times 8) + (20 \times 8) + (9 \times 8)$
$= 400000 + 16000 + 3200 + 160 + 72 = \boxed{419432}$

2. 50262×7
$= (50000 + 0 + 200 + 60 + 2) \times (7)$
$= (50000 \times 7) + (0 \times 7) + (200 \times 7) + (60 \times 7) + (2 \times 7)$
$= 350000 + 0 + 1400 + 420 + 14 = \boxed{351834}$

3. 40856×4
$= (40000 + 0 + 800 + 50 + 6) \times (4)$
$= (40000 \times 4) + (0 \times 4) + (800 \times 4) + (50 \times 4) + (6 \times 4)$
$= 160000 + 0 + 3200 + 200 + 24 = \boxed{163424}$

4. 99676×9
$= (90000 + 9000 + 600 + 70 + 6) \times (9)$
$= (90000 \times 9) + (9000 \times 9) + (600 \times 9) + (70 \times 9) + (6 \times 9)$
$= 810000 + 81000 + 5400 + 630 + 54 = \boxed{897084}$

5. 10924×5
$= (10000 + 0 + 900 + 20 + 4) \times (5)$
$= (10000 \times 5) + (0 \times 5) + (900 \times 5) + (20 \times 5) + (4 \times 5)$
$= 50000 + 0 + 4500 + 100 + 20 = \boxed{54620}$

Distributive Property Multiplication (B)

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 94596×6
$= (90000 + 4000 + 500 + 90 + 6) \times (6)$
$= (90000 \times 6) + (4000 \times 6) + (500 \times 6) + (90 \times 6) + (6 \times 6)$
$= 540000 + 24000 + 3000 + 540 + 36 = \boxed{567576}$

1. 22420×4

2. 81931×5

3. 91285×9

4. 91510×6

5. 13578×3

Distributive Property Multiplication (B) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 94596×6
$= (90000 + 4000 + 500 + 90 + 6) \times (6)$
$= (90000 \times 6) + (4000 \times 6) + (500 \times 6) + (90 \times 6) + (6 \times 6)$
$= 540000 + 24000 + 3000 + 540 + 36 = \boxed{567576}$

1. 22420×4
$= (20000 + 2000 + 400 + 20 + 0) \times (4)$
$= (20000 \times 4) + (2000 \times 4) + (400 \times 4) + (20 \times 4) + (0 \times 4)$
$= 80000 + 8000 + 1600 + 80 + 0 = \boxed{89680}$

2. 81931×5
$= (80000 + 1000 + 900 + 30 + 1) \times (5)$
$= (80000 \times 5) + (1000 \times 5) + (900 \times 5) + (30 \times 5) + (1 \times 5)$
$= 400000 + 5000 + 4500 + 150 + 5 = \boxed{409655}$

3. 91285×9
$= (90000 + 1000 + 200 + 80 + 5) \times (9)$
$= (90000 \times 9) + (1000 \times 9) + (200 \times 9) + (80 \times 9) + (5 \times 9)$
$= 810000 + 9000 + 1800 + 720 + 45 = \boxed{821565}$

4. 91510×6
$= (90000 + 1000 + 500 + 10 + 0) \times (6)$
$= (90000 \times 6) + (1000 \times 6) + (500 \times 6) + (10 \times 6) + (0 \times 6)$
$= 540000 + 6000 + 3000 + 60 + 0 = \boxed{549060}$

5. 13578×3
$= (10000 + 3000 + 500 + 70 + 8) \times (3)$
$= (10000 \times 3) + (3000 \times 3) + (500 \times 3) + (70 \times 3) + (8 \times 3)$
$= 30000 + 9000 + 1500 + 210 + 24 = \boxed{40734}$

Distributive Property Multiplication (C)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 48369×8
$= (40000 + 8000 + 300 + 60 + 9) \times (8)$
$= (40000 \times 8) + (8000 \times 8) + (300 \times 8) + (60 \times 8) + (9 \times 8)$
$= 320000 + 64000 + 2400 + 480 + 72 = \boxed{386952}$

1. 14387×7

2. 98896×2

3. 73179×8

4. 12104×2

5. 96465×3

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Distributive Property Multiplication (C) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 48369×8
$= (40000 + 8000 + 300 + 60 + 9) \times (8)$
$= (40000 \times 8) + (8000 \times 8) + (300 \times 8) + (60 \times 8) + (9 \times 8)$
$= 320000 + 64000 + 2400 + 480 + 72 = \boxed{386952}$

1. 14387×7
$= (10000 + 4000 + 300 + 80 + 7) \times (7)$
$= (10000 \times 7) + (4000 \times 7) + (300 \times 7) + (80 \times 7) + (7 \times 7)$
$= 70000 + 28000 + 2100 + 560 + 49 = \boxed{100709}$

2. 98896×2
$= (90000 + 8000 + 800 + 90 + 6) \times (2)$
$= (90000 \times 2) + (8000 \times 2) + (800 \times 2) + (90 \times 2) + (6 \times 2)$
$= 180000 + 16000 + 1600 + 180 + 12 = \boxed{197792}$

3. 73179×8
$= (70000 + 3000 + 100 + 70 + 9) \times (8)$
$= (70000 \times 8) + (3000 \times 8) + (100 \times 8) + (70 \times 8) + (9 \times 8)$
$= 560000 + 24000 + 800 + 560 + 72 = \boxed{585432}$

4. 12104×2
$= (10000 + 2000 + 100 + 0 + 4) \times (2)$
$= (10000 \times 2) + (2000 \times 2) + (100 \times 2) + (0 \times 2) + (4 \times 2)$
$= 20000 + 4000 + 200 + 0 + 8 = \boxed{24208}$

5. 96465×3
$= (90000 + 6000 + 400 + 60 + 5) \times (3)$
$= (90000 \times 3) + (6000 \times 3) + (400 \times 3) + (60 \times 3) + (5 \times 3)$
$= 270000 + 18000 + 1200 + 180 + 15 = \boxed{289395}$

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Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 21187×4
$= (20000 + 1000 + 100 + 80 + 7) \times (4)$
$= (20000 \times 4) + (1000 \times 4) + (100 \times 4) + (80 \times 4) + (7 \times 4)$
$= 80000 + 4000 + 400 + 320 + 28 = \boxed{84748}$

1. 50974×4

2. 71204×2

3. 36424×5

4. 24700×6

5. 54357×7

Distributive Property Multiplication (D) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 21187×4
$= (20000 + 1000 + 100 + 80 + 7) \times (4)$
$= (20000 \times 4) + (1000 \times 4) + (100 \times 4) + (80 \times 4) + (7 \times 4)$
$= 80000 + 4000 + 400 + 320 + 28 = \boxed{84748}$

1. 50974×4
$= (50000 + 0 + 900 + 70 + 4) \times (4)$
$= (50000 \times 4) + (0 \times 4) + (900 \times 4) + (70 \times 4) + (4 \times 4)$
$= 200000 + 0 + 3600 + 280 + 16 = \boxed{203896}$

2. 71204×2
$= (70000 + 1000 + 200 + 0 + 4) \times (2)$
$= (70000 \times 2) + (1000 \times 2) + (200 \times 2) + (0 \times 2) + (4 \times 2)$
$= 140000 + 2000 + 400 + 0 + 8 = \boxed{142408}$

3. 36424×5
$= (30000 + 6000 + 400 + 20 + 4) \times (5)$
$= (30000 \times 5) + (6000 \times 5) + (400 \times 5) + (20 \times 5) + (4 \times 5)$
$= 150000 + 30000 + 2000 + 100 + 20 = \boxed{182120}$

4. 24700×6
$= (20000 + 4000 + 700 + 0 + 0) \times (6)$
$= (20000 \times 6) + (4000 \times 6) + (700 \times 6) + (0 \times 6) + (0 \times 6)$
$= 120000 + 24000 + 4200 + 0 + 0 = \boxed{148200}$

5. 54357×7
$= (50000 + 4000 + 300 + 50 + 7) \times (7)$
$= (50000 \times 7) + (4000 \times 7) + (300 \times 7) + (50 \times 7) + (7 \times 7)$
$= 350000 + 28000 + 2100 + 350 + 49 = \boxed{380499}$

Distributive Property Multiplication (E)

Name: _____

Date: _____

Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 99513×6
$$= (90000 + 9000 + 500 + 10 + 3) \times (6)$$
$$= (90000 \times 6) + (9000 \times 6) + (500 \times 6) + (10 \times 6) + (3 \times 6)$$
$$= 540000 + 54000 + 3000 + 60 + 18 = \boxed{597078}$$

1. 38632×4

2. 18570×6

3. 47195×3

4. 60673×5

5. 91883×9

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Distributive Property Multiplication (E) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 99513×6
$= (90000 + 9000 + 500 + 10 + 3) \times (6)$
$= (90000 \times 6) + (9000 \times 6) + (500 \times 6) + (10 \times 6) + (3 \times 6)$
$= 540000 + 54000 + 3000 + 60 + 18 = \boxed{597078}$

1. 38632×4
$= (30000 + 8000 + 600 + 30 + 2) \times (4)$
$= (30000 \times 4) + (8000 \times 4) + (600 \times 4) + (30 \times 4) + (2 \times 4)$
$= 120000 + 32000 + 2400 + 120 + 8 = \boxed{154528}$

2. 18570×6
$= (10000 + 8000 + 500 + 70 + 0) \times (6)$
$= (10000 \times 6) + (8000 \times 6) + (500 \times 6) + (70 \times 6) + (0 \times 6)$
$= 60000 + 48000 + 3000 + 420 + 0 = \boxed{111420}$

3. 47195×3
$= (40000 + 7000 + 100 + 90 + 5) \times (3)$
$= (40000 \times 3) + (7000 \times 3) + (100 \times 3) + (90 \times 3) + (5 \times 3)$
$= 120000 + 21000 + 300 + 270 + 15 = \boxed{141585}$

4. 60673×5
$= (60000 + 0 + 600 + 70 + 3) \times (5)$
$= (60000 \times 5) + (0 \times 5) + (600 \times 5) + (70 \times 5) + (3 \times 5)$
$= 300000 + 0 + 3000 + 350 + 15 = \boxed{303365}$

5. 91883×9
$= (90000 + 1000 + 800 + 80 + 3) \times (9)$
$= (90000 \times 9) + (1000 \times 9) + (800 \times 9) + (80 \times 9) + (3 \times 9)$
$= 810000 + 9000 + 7200 + 720 + 27 = \boxed{826947}$

Distributive Property Multiplication (F)

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 35810×8
$= (30000 + 5000 + 800 + 10 + 0) \times (8)$
$= (30000 \times 8) + (5000 \times 8) + (800 \times 8) + (10 \times 8) + (0 \times 8)$
$= 240000 + 40000 + 6400 + 80 + 0 = \boxed{286480}$

1. 32855×8

2. 53768×7

3. 27827×5

4. 93346×3

5. 14024×5

Distributive Property Multiplication (F) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 35810×8
$= (30000 + 5000 + 800 + 10 + 0) \times (8)$
$= (30000 \times 8) + (5000 \times 8) + (800 \times 8) + (10 \times 8) + (0 \times 8)$
$= 240000 + 40000 + 6400 + 80 + 0 = \boxed{286480}$

1. 32855×8
$= (30000 + 2000 + 800 + 50 + 5) \times (8)$
$= (30000 \times 8) + (2000 \times 8) + (800 \times 8) + (50 \times 8) + (5 \times 8)$
$= 240000 + 16000 + 6400 + 400 + 40 = \boxed{262840}$

2. 53768×7
$= (50000 + 3000 + 700 + 60 + 8) \times (7)$
$= (50000 \times 7) + (3000 \times 7) + (700 \times 7) + (60 \times 7) + (8 \times 7)$
$= 350000 + 21000 + 4900 + 420 + 56 = \boxed{376376}$

3. 27827×5
$= (20000 + 7000 + 800 + 20 + 7) \times (5)$
$= (20000 \times 5) + (7000 \times 5) + (800 \times 5) + (20 \times 5) + (7 \times 5)$
$= 100000 + 35000 + 4000 + 100 + 35 = \boxed{139135}$

4. 93346×3
$= (90000 + 3000 + 300 + 40 + 6) \times (3)$
$= (90000 \times 3) + (3000 \times 3) + (300 \times 3) + (40 \times 3) + (6 \times 3)$
$= 270000 + 9000 + 900 + 120 + 18 = \boxed{280038}$

5. 14024×5
$= (10000 + 4000 + 0 + 20 + 4) \times (5)$
$= (10000 \times 5) + (4000 \times 5) + (0 \times 5) + (20 \times 5) + (4 \times 5)$
$= 50000 + 20000 + 0 + 100 + 20 = \boxed{70120}$

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 38937×6
$= (30000 + 8000 + 900 + 30 + 7) \times (6)$
$= (30000 \times 6) + (8000 \times 6) + (900 \times 6) + (30 \times 6) + (7 \times 6)$
$= 180000 + 48000 + 5400 + 180 + 42 = \boxed{233622}$

1. 47745×7

2. 38143×4

3. 34210×5

4. 60641×5

5. 50071×4

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 38937×6
$= (30000 + 8000 + 900 + 30 + 7) \times (6)$
$= (30000 \times 6) + (8000 \times 6) + (900 \times 6) + (30 \times 6) + (7 \times 6)$
$= 180000 + 48000 + 5400 + 180 + 42 = \boxed{233622}$

1. 47745×7
$= (40000 + 7000 + 700 + 40 + 5) \times (7)$
$= (40000 \times 7) + (7000 \times 7) + (700 \times 7) + (40 \times 7) + (5 \times 7)$
$= 280000 + 49000 + 4900 + 280 + 35 = \boxed{334215}$

2. 38143×4
$= (30000 + 8000 + 100 + 40 + 3) \times (4)$
$= (30000 \times 4) + (8000 \times 4) + (100 \times 4) + (40 \times 4) + (3 \times 4)$
$= 120000 + 32000 + 400 + 160 + 12 = \boxed{152572}$

3. 34210×5
$= (30000 + 4000 + 200 + 10 + 0) \times (5)$
$= (30000 \times 5) + (4000 \times 5) + (200 \times 5) + (10 \times 5) + (0 \times 5)$
$= 150000 + 20000 + 1000 + 50 + 0 = \boxed{171050}$

4. 60641×5
$= (60000 + 0 + 600 + 40 + 1) \times (5)$
$= (60000 \times 5) + (0 \times 5) + (600 \times 5) + (40 \times 5) + (1 \times 5)$
$= 300000 + 0 + 3000 + 200 + 5 = \boxed{303205}$

5. 50071×4
$= (50000 + 0 + 0 + 70 + 1) \times (4)$
$= (50000 \times 4) + (0 \times 4) + (0 \times 4) + (70 \times 4) + (1 \times 4)$
$= 200000 + 0 + 0 + 280 + 4 = \boxed{200284}$

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 28577×5
$= (20000 + 8000 + 500 + 70 + 7) \times (5)$
$= (20000 \times 5) + (8000 \times 5) + (500 \times 5) + (70 \times 5) + (7 \times 5)$
$= 100000 + 40000 + 2500 + 350 + 35 = \boxed{142885}$

1. 93683×9

2. 31345×8

3. 62420×4

4. 59087×9

5. 30572×5

Distributive Property Multiplication (H) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 28577×5
$= (20000 + 8000 + 500 + 70 + 7) \times (5)$
$= (20000 \times 5) + (8000 \times 5) + (500 \times 5) + (70 \times 5) + (7 \times 5)$
$= 100000 + 40000 + 2500 + 350 + 35 = \boxed{142885}$

1. 93683×9
$= (90000 + 3000 + 600 + 80 + 3) \times (9)$
$= (90000 \times 9) + (3000 \times 9) + (600 \times 9) + (80 \times 9) + (3 \times 9)$
$= 810000 + 27000 + 5400 + 720 + 27 = \boxed{843147}$

2. 31345×8
$= (30000 + 1000 + 300 + 40 + 5) \times (8)$
$= (30000 \times 8) + (1000 \times 8) + (300 \times 8) + (40 \times 8) + (5 \times 8)$
$= 240000 + 8000 + 2400 + 320 + 40 = \boxed{250760}$

3. 62420×4
$= (60000 + 2000 + 400 + 20 + 0) \times (4)$
$= (60000 \times 4) + (2000 \times 4) + (400 \times 4) + (20 \times 4) + (0 \times 4)$
$= 240000 + 8000 + 1600 + 80 + 0 = \boxed{249680}$

4. 59087×9
$= (50000 + 9000 + 0 + 80 + 7) \times (9)$
$= (50000 \times 9) + (9000 \times 9) + (0 \times 9) + (80 \times 9) + (7 \times 9)$
$= 450000 + 81000 + 0 + 720 + 63 = \boxed{531783}$

5. 30572×5
$= (30000 + 0 + 500 + 70 + 2) \times (5)$
$= (30000 \times 5) + (0 \times 5) + (500 \times 5) + (70 \times 5) + (2 \times 5)$
$= 150000 + 0 + 2500 + 350 + 10 = \boxed{152860}$

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Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 53149×3
$= (50000 + 3000 + 100 + 40 + 9) \times (3)$
$= (50000 \times 3) + (3000 \times 3) + (100 \times 3) + (40 \times 3) + (9 \times 3)$
$= 150000 + 9000 + 300 + 120 + 27 = \boxed{159447}$

1. 77566×4

2. 40294×3

3. 27398×6

4. 75719×8

5. 33641×8

Distributive Property Multiplication (I) Answers

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 53149×3
$= (50000 + 3000 + 100 + 40 + 9) \times (3)$
$= (50000 \times 3) + (3000 \times 3) + (100 \times 3) + (40 \times 3) + (9 \times 3)$
$= 150000 + 9000 + 300 + 120 + 27 = \boxed{159447}$

1. 77566×4
$= (70000 + 7000 + 500 + 60 + 6) \times (4)$
$= (70000 \times 4) + (7000 \times 4) + (500 \times 4) + (60 \times 4) + (6 \times 4)$
$= 280000 + 28000 + 2000 + 240 + 24 = \boxed{310264}$

2. 40294×3
$= (40000 + 0 + 200 + 90 + 4) \times (3)$
$= (40000 \times 3) + (0 \times 3) + (200 \times 3) + (90 \times 3) + (4 \times 3)$
$= 120000 + 0 + 600 + 270 + 12 = \boxed{120882}$

3. 27398×6
$= (20000 + 7000 + 300 + 90 + 8) \times (6)$
$= (20000 \times 6) + (7000 \times 6) + (300 \times 6) + (90 \times 6) + (8 \times 6)$
$= 120000 + 42000 + 1800 + 540 + 48 = \boxed{164388}$

4. 75719×8
$= (70000 + 5000 + 700 + 10 + 9) \times (8)$
$= (70000 \times 8) + (5000 \times 8) + (700 \times 8) + (10 \times 8) + (9 \times 8)$
$= 560000 + 40000 + 5600 + 80 + 72 = \boxed{605752}$

5. 33641×8
$= (30000 + 3000 + 600 + 40 + 1) \times (8)$
$= (30000 \times 8) + (3000 \times 8) + (600 \times 8) + (40 \times 8) + (1 \times 8)$
$= 240000 + 24000 + 4800 + 320 + 8 = \boxed{269128}$

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Distributive Property Multiplication (J)

Name: _____   Date: _____   Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 18477×8
$= (10000 + 8000 + 400 + 70 + 7) \times (8)$
$= (10000 \times 8) + (8000 \times 8) + (400 \times 8) + (70 \times 8) + (7 \times 8)$
$= 80000 + 64000 + 3200 + 560 + 56 = \boxed{147816}$

1. 17208×8

2. 46198×7

3. 44532×7

4. 74034×4

5. 15792×7

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Distributive Property Multiplication (J) Answers

Name: _____ Date: _____ Score: _____

Use the distributive property of multiplication to calculate each product.

Ex. 18477×8

$= (10000 + 8000 + 400 + 70 + 7) \times (8)$

$= (10000 \times 8) + (8000 \times 8) + (400 \times 8) + (70 \times 8) + (7 \times 8)$

$= 80000 + 64000 + 3200 + 560 + 56 =$ $\boxed{147816}$

1. 17208×8

$= (10000 + 7000 + 200 + 0 + 8) \times (8)$

$= (10000 \times 8) + (7000 \times 8) + (200 \times 8) + (0 \times 8) + (8 \times 8)$

$= 80000 + 56000 + 1600 + 0 + 64 =$ $\boxed{137664}$

2. 46198×7

$= (40000 + 6000 + 100 + 90 + 8) \times (7)$

$= (40000 \times 7) + (6000 \times 7) + (100 \times 7) + (90 \times 7) + (8 \times 7)$

$= 280000 + 42000 + 700 + 630 + 56 =$ $\boxed{323386}$

3. 44532×7

$= (40000 + 4000 + 500 + 30 + 2) \times (7)$

$= (40000 \times 7) + (4000 \times 7) + (500 \times 7) + (30 \times 7) + (2 \times 7)$

$= 280000 + 28000 + 3500 + 210 + 14 =$ $\boxed{311724}$

4. 74034×4

$= (70000 + 4000 + 0 + 30 + 4) \times (4)$

$= (70000 \times 4) + (4000 \times 4) + (0 \times 4) + (30 \times 4) + (4 \times 4)$

$= 280000 + 16000 + 0 + 120 + 16 =$ $\boxed{296136}$

5. 15792×7

$= (10000 + 5000 + 700 + 90 + 2) \times (7)$

$= (10000 \times 7) + (5000 \times 7) + (700 \times 7) + (90 \times 7) + (2 \times 7)$

$= 70000 + 35000 + 4900 + 630 + 14 =$ $\boxed{110544}$

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