



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) $626.54 \times \underline{\hspace{2cm}} = 6,265.4$

2) $982.24 \times \underline{\hspace{2cm}} = 98,224$

3) $79,310 \div 100 = \underline{\hspace{2cm}}$

4) $\underline{\hspace{2cm}} \times 100 = 54,757.9$

5) $\underline{\hspace{2cm}} \div 100 = 954.132$

6) $821.35 \times 10 = \underline{\hspace{2cm}}$

7) $\underline{\hspace{2cm}} \div 100 = 753.6$

8) $591,840 \div \underline{\hspace{2cm}} = 591.84$

9) $\underline{\hspace{2cm}} \times 10 = 9,292$

10) $611,216 \div \underline{\hspace{2cm}} = 611.216$

11) $563.8 \times 10 = \underline{\hspace{2cm}}$

12) $852.6 \times 1,000 = \underline{\hspace{2cm}}$

13) $\underline{\hspace{2cm}} \times 1,000 = 332,960$

14) $\underline{\hspace{2cm}} \div 100 = 758.78$

15) $75,412.9 \div 100 = \underline{\hspace{2cm}}$

16) $4,878.86 \div \underline{\hspace{2cm}} = 487.886$

17) $44,338.9 \div 100 = \underline{\hspace{2cm}}$

18) $169.1 \times \underline{\hspace{2cm}} = 169,100$

19) $\underline{\hspace{2cm}} \div 100 = 357.97$

20) $\underline{\hspace{2cm}} \times 1,000 = 151,370$

Answers

1. _____

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Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $626.54 \times \underline{10} = 6,265.4$

Answers1. **10**

2) $982.24 \times \underline{100} = 98,224$

2. **100**

3) $79,310 \div 100 = \underline{793.1}$

3. **793.1**

4) $\underline{547.579} \times 100 = 54,757.9$

4. **547.579**

5) $\underline{95,413.2} \div 100 = 954.132$

5. **95,413.2**

6) $821.35 \times 10 = \underline{8,213.5}$

6. **8,213.5**

7) $\underline{75,360} \div 100 = 753.6$

7. **75,360**

8) $591,840 \div \underline{1,000} = 591.84$

8. **1,000**

9) $\underline{929.2} \times 10 = 9,292$

9. **929.2**

10) $611,216 \div \underline{1,000} = 611.216$

10. **1,000**

11) $563.8 \times 10 = \underline{5,638}$

11. **5,638**

12) $852.6 \times 1,000 = \underline{852,600}$

12. **852,600**

13) $\underline{332.96} \times 1,000 = 332,960$

13. **332.96**

14) $\underline{75,878} \div 100 = 758.78$

14. **75,878**

15) $75,412.9 \div 100 = \underline{754.129}$

15. **754.129**

16) $4,878.86 \div \underline{10} = 487.886$

16. **10**

17) $44,338.9 \div 100 = \underline{443.389}$

17. **443.389**

18) $169.1 \times \underline{1,000} = 169,100$

18. **1,000**

19) $\underline{35,797} \div 100 = 357.97$

19. **35,797**

20) $\underline{151.37} \times 1,000 = 151,370$

20. **151.37**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) $254.8 \times \underline{\hspace{2cm}} = 254,800$

2) $147.7 \div \underline{\hspace{2cm}} = 14.77$

3) $\underline{\hspace{2cm}} \times 1,000 = 814,100$

4) $\underline{\hspace{2cm}} \div 10 = 529.798$

5) $\underline{\hspace{2cm}} \times 1,000 = 408,627$

6) $7,746 \div \underline{\hspace{2cm}} = 77.46$

7) $\underline{\hspace{2cm}} \div 1,000 = 866.18$

8) $377.5 \times 1,000 = \underline{\hspace{2cm}}$

9) $615.211 \times 10 = \underline{\hspace{2cm}}$

10) $\underline{\hspace{2cm}} \times 10 = 6,229$

11) $924.52 \times 100 = \underline{\hspace{2cm}}$

12) $72,272.9 \div \underline{\hspace{2cm}} = 722.729$

13) $157.64 \times \underline{\hspace{2cm}} = 1,576.4$

14) $556,820 \div 1,000 = \underline{\hspace{2cm}}$

15) $20.72 \times 1,000 = \underline{\hspace{2cm}}$

16) $22,291 \div 100 = \underline{\hspace{2cm}}$

17) $8,135 \div 10 = \underline{\hspace{2cm}}$

18) $\underline{\hspace{2cm}} \div 10 = 285.182$

19) $\underline{\hspace{2cm}} \div 1,000 = 682.71$

20) $32.9 \times \underline{\hspace{2cm}} = 32,900$

Answers

1. _____

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20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $254.8 \times \underline{1,000} = 254,800$

Answers1. 1,000

2) $147.7 \div \underline{10} = 14.77$

2. 10

3) $\underline{814.1} \times 1,000 = 814,100$

3. 814.1

4) $\underline{5,297.98} \div 10 = 529.798$

4. 5,297.98

5) $\underline{408.627} \times 1,000 = 408,627$

5. 408.627

6) $7,746 \div \underline{100} = 77.46$

6. 100

7) $\underline{866,180} \div 1,000 = 866.18$

7. 866,180

8) $377.5 \times 1,000 = \underline{377,500}$

8. 377,500

9) $615.211 \times 10 = \underline{6,152.11}$

9. 6,152.11

10) $\underline{622.9} \times 10 = 6,229$

10. 622.9

11) $924.52 \times 100 = \underline{92,452}$

11. 92,452

12) $72,272.9 \div \underline{100} = 722.729$

12. 100

13) $157.64 \times \underline{10} = 1,576.4$

13. 10

14) $556,820 \div 1,000 = \underline{556.82}$

14. 556.82

15) $20.72 \times 1,000 = \underline{20,720}$

15. 20,720

16) $22,291 \div 100 = \underline{222.91}$

16. 222.91

17) $8,135 \div 10 = \underline{813.5}$

17. 813.5

18) $\underline{2,851.82} \div 10 = 285.182$

18. 2,851.82

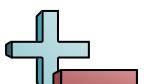
19) $\underline{682,710} \div 1,000 = 682.71$

19. 682,710

20) $32.9 \times \underline{1,000} = 32,900$

20. 1,000

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) _____ $\times 100 = 48,170$

2) $117.48 \div \underline{\hspace{1cm}} = 11.748$

3) _____ $\div 10 = 14.4$

4) _____ $\times 1,000 = 619,369$

5) $99,292.4 \div \underline{\hspace{1cm}} = 992.924$

6) $454.48 \times 1,000 = \underline{\hspace{1cm}}$

7) _____ $\div 10 = 439.7$

8) $176,100 \div 1,000 = \underline{\hspace{1cm}}$

9) _____ $\div 10 = 464.7$

10) $412,100 \div 1,000 = \underline{\hspace{1cm}}$

11) $525,653 \div \underline{\hspace{1cm}} = 525.653$

12) $12.15 \times \underline{\hspace{1cm}} = 1,215$

13) $675.922 \times 100 = \underline{\hspace{1cm}}$

14) $290,800 \div 1,000 = \underline{\hspace{1cm}}$

15) $806.6 \times 10 = \underline{\hspace{1cm}}$

16) _____ $\div 1,000 = 282.786$

17) _____ $\times 100 = 90,790$

18) $993.839 \times \underline{\hspace{1cm}} = 99,383.9$

19) $31,199.3 \div 100 = \underline{\hspace{1cm}}$

20) $645.79 \times \underline{\hspace{1cm}} = 64,579$

Answers

1. _____

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20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $\underline{481.7} \times 100 = 48,170$

Answers**481.7**

2) $117.48 \div \underline{10} = 11.748$

1. **10**

3) $\underline{144} \div 10 = 14.4$

2. **10**

4) $\underline{619.369} \times 1,000 = 619,369$

3. **144**

5) $99,292.4 \div \underline{100} = 992.924$

4. **619.369**

6) $454.48 \times 1,000 = \underline{454,480}$

5. **100**

7) $\underline{4,397} \div 10 = 439.7$

6. **454,480**

8) $176,100 \div 1,000 = \underline{176.1}$

7. **4,397**

9) $\underline{4,647} \div 10 = 464.7$

8. **176.1**

10) $412,100 \div 1,000 = \underline{412.1}$

9. **4,647**

11) $525,653 \div \underline{1,000} = 525.653$

10. **412.1**

12) $12.15 \times \underline{100} = 1,215$

11. **1,000**

13) $675.922 \times 100 = \underline{67,592.2}$

12. **100**

14) $290,800 \div 1,000 = \underline{290.8}$

13. **67,592.2**

15) $806.6 \times 10 = \underline{8,066}$

14. **290.8**

16) $\underline{282,786} \div 1,000 = 282.786$

15. **8,066**

17) $\underline{907.9} \times 100 = 90,790$

16. **282,786**

18) $993.839 \times \underline{100} = 99,383.9$

17. **907.9**

19) $31,199.3 \div 100 = \underline{311.993}$

18. **100**

20) $645.79 \times \underline{100} = 64,579$

19. **311.993**

20. **100**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) _____ \times 1,000 = 464,381

2) 2,562.68 \div 10 = _____

3) 297,900 \div _____ = 297.9

4) _____ \times 100 = 84,810

5) 365.7 \times _____ = 365,700

6) 736.48 \times _____ = 736,480

7) 875,220 \div _____ = 875.22

8) 519,790 \div 1,000 = _____

9) 63,020 \div 100 = _____

10) 263.7 \times _____ = 26,370

11) 273.3 \times 100 = _____

12) 751,640 \div 1,000 = _____

13) 5,425.48 \div _____ = 542.548

14) _____ \div 100 = 740.82

15) _____ \div 10 = 520.2

16) _____ \times 100 = 20,141.8

17) 882,840 \div _____ = 882.84

18) _____ \div 1,000 = 574.56

19) 149.6 \times _____ = 14,960

20) _____ \times 10 = 239.58

Answers

1. _____

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Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $\underline{464.381} \times 1,000 = 464,381$

2) $2,562.68 \div 10 = \underline{256.268}$

3) $297,900 \div \underline{1,000} = 297.9$

4) $\underline{848.1} \times 100 = 84,810$

5) $365.7 \times \underline{1,000} = 365,700$

6) $736.48 \times \underline{1,000} = 736,480$

7) $875,220 \div \underline{1,000} = 875.22$

8) $519,790 \div 1,000 = \underline{519.79}$

9) $63,020 \div 100 = \underline{630.2}$

10) $263.7 \times \underline{100} = 26,370$

11) $273.3 \times 100 = \underline{27,330}$

12) $751,640 \div 1,000 = \underline{751.64}$

13) $5,425.48 \div \underline{10} = 542.548$

14) $\underline{74,082} \div 100 = 740.82$

15) $\underline{5,202} \div 10 = 520.2$

16) $\underline{201.418} \times 100 = 20,141.8$

17) $882,840 \div \underline{1,000} = 882.84$

18) $\underline{574,560} \div 1,000 = 574.56$

19) $149.6 \times \underline{100} = 14,960$

20) $\underline{23.958} \times 10 = 239.58$

Answers1. **464.381**2. **256.268**3. **1,000**4. **848.1**5. **1,000**6. **1,000**7. **1,000**8. **519.79**9. **630.2**10. **100**11. **27,330**12. **751.64**13. **10**14. **74,082**15. **5,202**16. **201.418**17. **1,000**18. **574,560**19. **100**20. **23.958**



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) $859.821 \times 100 = \underline{\hspace{2cm}}$

Answers

1. $\underline{\hspace{2cm}}$

2) $5,309.9 \div 10 = \underline{\hspace{2cm}}$

2. $\underline{\hspace{2cm}}$

3) $70.87 \times 10 = \underline{\hspace{2cm}}$

3. $\underline{\hspace{2cm}}$

4) $746.896 \times 1,000 = \underline{\hspace{2cm}}$

4. $\underline{\hspace{2cm}}$

5) $6,793 \div \underline{\hspace{2cm}} = 679.3$

5. $\underline{\hspace{2cm}}$

6) $\underline{\hspace{2cm}} \times 1,000 = 205,100$

6. $\underline{\hspace{2cm}}$

7) $\underline{\hspace{2cm}} \times 100 = 8,540$

7. $\underline{\hspace{2cm}}$

8) $\underline{\hspace{2cm}} \times 1,000 = 439,600$

8. $\underline{\hspace{2cm}}$

9) $\underline{\hspace{2cm}} \times 100 = 77,184.2$

9. $\underline{\hspace{2cm}}$

10) $9,556.6 \div \underline{\hspace{2cm}} = 955.66$

10. $\underline{\hspace{2cm}}$

11) $\underline{\hspace{2cm}} \div 10 = 574.7$

11. $\underline{\hspace{2cm}}$

12) $474,310 \div \underline{\hspace{2cm}} = 474.31$

12. $\underline{\hspace{2cm}}$

13) $9,169 \div 10 = \underline{\hspace{2cm}}$

13. $\underline{\hspace{2cm}}$

14) $188.22 \times \underline{\hspace{2cm}} = 18,822$

14. $\underline{\hspace{2cm}}$

15) $69,630 \div 1,000 = \underline{\hspace{2cm}}$

15. $\underline{\hspace{2cm}}$

16) $8.559 \times 10 = \underline{\hspace{2cm}}$

16. $\underline{\hspace{2cm}}$

17) $395,650 \div 1,000 = \underline{\hspace{2cm}}$

17. $\underline{\hspace{2cm}}$

18) $\underline{\hspace{2cm}} \div 10 = 810.6$

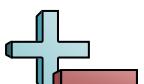
18. $\underline{\hspace{2cm}}$

19) $601.6 \times \underline{\hspace{2cm}} = 60,160$

19. $\underline{\hspace{2cm}}$

20) $\underline{\hspace{2cm}} \div 1,000 = 694.56$

20. $\underline{\hspace{2cm}}$



Use decimal multiplication and division rules to fill in the blank.

- | | | |
|-----|--|---------------------------|
| | Answers | |
| 1) | $859.821 \times 100 = \underline{\hspace{2cm}85,982.1}$ | 1. <u>85,982.1</u> |
| 2) | $5,309.9 \div 10 = \underline{\hspace{2cm}530.99}$ | 2. <u>530.99</u> |
| 3) | $70.87 \times 10 = \underline{\hspace{2cm}708.7}$ | 3. <u>708.7</u> |
| 4) | $746.896 \times 1,000 = \underline{\hspace{2cm}746,896}$ | 4. <u>746,896</u> |
| 5) | $6,793 \div \underline{\hspace{2cm}10} = 679.3$ | 5. <u>10</u> |
| 6) | $\underline{\hspace{2cm}205.1} \times 1,000 = 205,100$ | 6. <u>205.1</u> |
| 7) | $\underline{\hspace{2cm}85.4} \times 100 = 8,540$ | 7. <u>85.4</u> |
| 8) | $\underline{\hspace{2cm}439.6} \times 1,000 = 439,600$ | 8. <u>439.6</u> |
| 9) | $\underline{\hspace{2cm}771.842} \times 100 = 77,184.2$ | 9. <u>771.842</u> |
| 10) | $9,556.6 \div \underline{\hspace{2cm}10} = 955.66$ | 10. <u>10</u> |
| 11) | $\underline{\hspace{2cm}5,747} \div 10 = 574.7$ | 11. <u>5,747</u> |
| 12) | $474,310 \div \underline{\hspace{2cm}1,000} = 474.31$ | 12. <u>1,000</u> |
| 13) | $9,169 \div 10 = \underline{\hspace{2cm}916.9}$ | 13. <u>916.9</u> |
| 14) | $188.22 \times \underline{\hspace{2cm}100} = 18,822$ | 14. <u>100</u> |
| 15) | $69,630 \div 1,000 = \underline{\hspace{2cm}69.63}$ | 15. <u>69.63</u> |
| 16) | $8.559 \times 10 = \underline{\hspace{2cm}85.59}$ | 16. <u>85.59</u> |
| 17) | $395,650 \div 1,000 = \underline{\hspace{2cm}395.65}$ | 17. <u>395.65</u> |
| 18) | $\underline{\hspace{2cm}8,106} \div 10 = 810.6$ | 18. <u>8,106</u> |
| 19) | $601.6 \times \underline{\hspace{2cm}100} = 60,160$ | 19. <u>100</u> |
| 20) | $\underline{\hspace{2cm}694,560} \div 1,000 = 694.56$ | 20. <u>694,560</u> |



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) _____ \times 1,000 = 822,600

2) _____ \times 1,000 = 116,100

3) 23,913.1 \div _____ = 239.131

4) _____ \div 100 = 346.3

5) 594,200 \div _____ = 594.2

6) 639,400 \div 1,000 = _____

7) 471.762 \times 1,000 = _____

8) 46,710 \div 100 = _____

9) 44.35 \times 1,000 = _____

10) _____ \div 10 = 770.9

11) 333.66 \times _____ = 333,660

12) 21,180 \div 100 = _____

13) 452.249 \times _____ = 4,522.49

14) 4,164 \div _____ = 416.4

15) 857.14 \times 1,000 = _____

16) _____ \div 10 = 234.462

17) 60,031 \div _____ = 600.31

18) 980.833 \times 10 = _____

19) _____ \times 1,000 = 575,787

20) 692.787 \times _____ = 6,927.87

Answers

1. _____

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20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $\underline{822.6} \times 1,000 = 822,600$

Answers**822.6**

2) $\underline{116.1} \times 1,000 = 116,100$

1. **116.1**

3) $23,913.1 \div \underline{100} = 239.131$

2. **100**

4) $\underline{34,630} \div 100 = 346.3$

3. **34,630**

5) $594,200 \div \underline{1,000} = 594.2$

4. **1,000**

6) $639,400 \div 1,000 = \underline{639.4}$

5. **639.4**

7) $471.762 \times 1,000 = \underline{471,762}$

6. **471,762**

8) $46,710 \div 100 = \underline{467.1}$

7. **467.1**

9) $44.35 \times 1,000 = \underline{44,350}$

8. **44,350**

10) $\underline{7,709} \div 10 = 770.9$

9. **7,709**

11) $333.66 \times \underline{1,000} = 333,660$

10. **1,000**

12) $21,180 \div 100 = \underline{211.8}$

11. **211.8**

13) $452.249 \times \underline{10} = 4,522.49$

12. **10**

14) $4,164 \div \underline{10} = 416.4$

13. **10**

15) $857.14 \times 1,000 = \underline{857,140}$

14. **10**

16) $\underline{2,344.62} \div 10 = 234.462$

15. **2,344.62**

17) $60,031 \div \underline{100} = 600.31$

16. **100**

18) $980.833 \times 10 = \underline{9,808.33}$

17. **9,808.33**

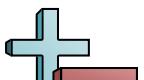
19) $\underline{575.787} \times 1,000 = 575,787$

18. **575.787**

20) $692.787 \times \underline{10} = 6,927.87$

19. **10**20. **10**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) $11.3 \times 100 = \underline{\hspace{2cm}}$

2) $\underline{\hspace{2cm}} \times 1,000 = 792,800$

3) $212.789 \times 10 = \underline{\hspace{2cm}}$

4) $179,671 \div 1,000 = \underline{\hspace{2cm}}$

5) $265.71 \times \underline{\hspace{2cm}} = 26,571$

6) $322.7 \times \underline{\hspace{2cm}} = 3,227$

7) $\underline{\hspace{2cm}} \div 100 = 940.466$

8) $\underline{\hspace{2cm}} \times 10 = 6,336$

9) $1,036.14 \div 10 = \underline{\hspace{2cm}}$

10) $\underline{\hspace{2cm}} \times 1,000 = 491,300$

11) $957,483 \div \underline{\hspace{2cm}} = 957.483$

12) $492,810 \div 1,000 = \underline{\hspace{2cm}}$

13) $\underline{\hspace{2cm}} \times 10 = 3,061.77$

14) $704.93 \times \underline{\hspace{2cm}} = 7,049.3$

15) $792.9 \times \underline{\hspace{2cm}} = 7,929$

16) $\underline{\hspace{2cm}} \div 100 = 911.4$

17) $156.985 \times 10 = \underline{\hspace{2cm}}$

18) $8,689 \div \underline{\hspace{2cm}} = 868.9$

19) $4,779.8 \div \underline{\hspace{2cm}} = 477.98$

20) $\underline{\hspace{2cm}} \div 10 = 548.335$

Answers

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14. _____

15. _____

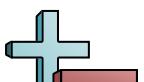
16. _____

17. _____

18. _____

19. _____

20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $11.3 \times 100 = \underline{1,130}$

Answers1. 1,130

2) $\underline{792.8} \times 1,000 = 792,800$

2. 792.8

3) $212.789 \times 10 = \underline{2,127.89}$

3. 2,127.89

4) $179,671 \div 1,000 = \underline{179.671}$

4. 179.671

5) $265.71 \times \underline{100} = 26,571$

5. 100

6) $322.7 \times \underline{10} = 3,227$

6. 10

7) $\underline{94,046.6} \div 100 = 940.466$

7. 94,046.6

8) $\underline{633.6} \times 10 = 6,336$

8. 633.6

9) $1,036.14 \div 10 = \underline{103.614}$

9. 103.614

10) $\underline{491.3} \times 1,000 = 491,300$

10. 491.3

11) $957,483 \div \underline{1,000} = 957.483$

11. 1,000

12) $492,810 \div 1,000 = \underline{492.81}$

12. 492.81

13) $\underline{306.177} \times 10 = 3,061.77$

13. 306.177

14) $704.93 \times \underline{10} = 7,049.3$

14. 10

15) $792.9 \times \underline{10} = 7,929$

15. 10

16) $\underline{91,140} \div 100 = 911.4$

16. 91,140

17) $156.985 \times 10 = \underline{1,569.85}$

17. 1,569.85

18) $8,689 \div \underline{10} = 868.9$

18. 10

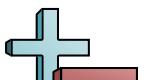
19) $4,779.8 \div \underline{10} = 477.98$

19. 10

20) $\underline{5,483.35} \div 10 = 548.335$

20. 5,483.35

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) _____ $\times 100 = 58,050$

2) $842.2 \times \underline{\hspace{2cm}} = 8,422$

3) $892,700 \div 1,000 = \underline{\hspace{2cm}}$

4) $274,782 \div \underline{\hspace{2cm}} = 274.782$

5) $34,860 \div 100 = \underline{\hspace{2cm}}$

6) $34,300 \div \underline{\hspace{2cm}} = 34.3$

7) $901.746 \times 10 = \underline{\hspace{2cm}}$

8) $46,964 \div \underline{\hspace{2cm}} = 469.64$

9) _____ $\times 10 = 1,061.51$

10) $39,681 \div 100 = \underline{\hspace{2cm}}$

11) _____ $\times 1,000 = 354,733$

12) $35,080 \div \underline{\hspace{2cm}} = 350.8$

13) $1,357.6 \div 10 = \underline{\hspace{2cm}}$

14) $834.97 \times \underline{\hspace{2cm}} = 8,349.7$

15) $281.67 \times 10 = \underline{\hspace{2cm}}$

16) _____ $\div 10 = 572.67$

17) $217.488 \times \underline{\hspace{2cm}} = 217,488$

18) $754.77 \times 10 = \underline{\hspace{2cm}}$

19) _____ $\div 10 = 214.84$

20) $292.499 \times \underline{\hspace{2cm}} = 292,499$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $\underline{580.5} \times 100 = 58,050$

Answers

580.5

2) $842.2 \times \underline{10} = 8,422$

1. 10

3) $892,700 \div 1,000 = \underline{892.7}$

2. 892.7

4) $274,782 \div \underline{1,000} = 274.782$

3. 1,000

5) $34,860 \div 100 = \underline{348.6}$

4. 348.6

6) $34,300 \div \underline{1,000} = 34.3$

5. 1,000

7) $901.746 \times 10 = \underline{9,017.46}$

6. 9,017.46

8) $46,964 \div \underline{100} = 469.64$

7. 100

9) $\underline{106.151} \times 10 = 1,061.51$

8. 106.151

10) $39,681 \div 100 = \underline{396.81}$

9. 396.81

11) $\underline{354.733} \times 1,000 = 354,733$

10. 354.733

12) $35,080 \div \underline{100} = 350.8$

11. 100

13) $1,357.6 \div 10 = \underline{135.76}$

12. 135.76

14) $834.97 \times \underline{10} = 8,349.7$

13. 10

15) $281.67 \times 10 = \underline{2,816.7}$

14. 2,816.7

16) $\underline{5,726.7} \div 10 = 572.67$

15. 5,726.7

17) $217.488 \times \underline{1,000} = 217,488$

16. 1,000

18) $754.77 \times 10 = \underline{7,547.7}$

17. 7,547.7

19) $\underline{2,148.4} \div 10 = 214.84$

18. 2,148.4

20) $292.499 \times \underline{1,000} = 292,499$

19. 1,000



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) $186.7 \times \underline{\hspace{2cm}} = 1,867$

2) $47.48 \times 100 = \underline{\hspace{2cm}}$

3) $6,892 \div 10 = \underline{\hspace{2cm}}$

4) $165.98 \times \underline{\hspace{2cm}} = 165,980$

5) $998.698 \times 1,000 = \underline{\hspace{2cm}}$

6) $57.7 \times \underline{\hspace{2cm}} = 5,770$

7) $\underline{\hspace{2cm}} \div 10 = 259.2$

8) $\underline{\hspace{2cm}} \times 10 = 78.5$

9) $707,280 \div \underline{\hspace{2cm}} = 707.28$

10) $268.9 \times \underline{\hspace{2cm}} = 26,890$

11) $\underline{\hspace{2cm}} \times 1,000 = 927,559$

12) $315.5 \times 100 = \underline{\hspace{2cm}}$

13) $\underline{\hspace{2cm}} \div 100 = 95.637$

14) $8,743.1 \div 100 = \underline{\hspace{2cm}}$

15) $\underline{\hspace{2cm}} \times 1,000 = 228,700$

16) $246,260 \div \underline{\hspace{2cm}} = 246.26$

17) $440,200 \div \underline{\hspace{2cm}} = 440.2$

18) $420,800 \div \underline{\hspace{2cm}} = 420.8$

19) $1,909.5 \div 10 = \underline{\hspace{2cm}}$

20) $\underline{\hspace{2cm}} \div 100 = 456.226$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Use decimal multiplication and division rules to fill in the blank.

1) $186.7 \times \underline{10} = 1,867$

2) $47.48 \times 100 = \underline{4,748}$

3) $6,892 \div 10 = \underline{689.2}$

4) $165.98 \times \underline{1,000} = 165,980$

5) $998.698 \times 1,000 = \underline{998,698}$

6) $57.7 \times \underline{100} = 5,770$

7) $\underline{2,592} \div 10 = 259.2$

8) $\underline{7.85} \times 10 = 78.5$

9) $707,280 \div \underline{1,000} = 707.28$

10) $268.9 \times \underline{100} = 26,890$

11) $\underline{927.559} \times 1,000 = 927,559$

12) $315.5 \times 100 = \underline{31,550}$

13) $\underline{9,563.7} \div 100 = 95.637$

14) $8,743.1 \div 100 = \underline{87.431}$

15) $\underline{228.7} \times 1,000 = 228,700$

16) $246,260 \div \underline{1,000} = 246.26$

17) $440,200 \div \underline{1,000} = 440.2$

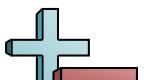
18) $420,800 \div \underline{1,000} = 420.8$

19) $1,909.5 \div 10 = \underline{190.95}$

20) $\underline{45,622.6} \div 100 = 456.226$

Answers1. **10**2. **4,748**3. **689.2**4. **1,000**5. **998,698**6. **100**7. **2,592**8. **7.85**9. **1,000**10. **100**11. **927.559**12. **31,550**13. **9,563.7**14. **87.431**15. **228.7**16. **1,000**17. **1,000**18. **1,000**19. **190.95**20. **45,622.6**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Identifying Decimal Equation Patterns

Name: _____

Use decimal multiplication and division rules to fill in the blank.

1) _____ $\times 10 = 9,857.7$

2) _____ $\div 100 = 686.86$

3) _____ $\div 1,000 = 507.1$

4) $881.15 \times$ _____ $= 8,811.5$

5) $874,850 \div$ _____ $= 874.85$

6) $1,714.27 \div 10 =$ _____

7) $41,835.5 \div$ _____ $= 418.355$

8) _____ $\times 100 = 77,650$

9) $66,890 \div 1,000 =$ _____

10) $388.479 \times$ _____ $= 388,479$

11) $585.48 \times 100 =$ _____

12) $418,300 \div 1,000 =$ _____

13) $841.222 \times$ _____ $= 84,122.2$

14) $245.827 \times$ _____ $= 24,582.7$

15) _____ $\div 100 = 40.8$

16) $465.91 \times 10 =$ _____

17) $981,599 \div$ _____ $= 981.599$

18) $146.542 \times 1,000 =$ _____

19) _____ $\div 10 = 312.675$

20) _____ $\times 100 = 7,280$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Identifying Decimal Equation Patterns

Name: **Answer Key**

Use decimal multiplication and division rules to fill in the blank.

1) $\underline{985.77} \times 10 = 9,857.7$

Answers**985.77**

2) $\underline{68,686} \div 100 = 686.86$

1. **68,686**

3) $\underline{507,100} \div 1,000 = 507.1$

2. **507,100**

4) $881.15 \times \underline{10} = 8,811.5$

3. **10**

5) $874,850 \div \underline{1,000} = 874.85$

4. **1,000**

6) $1,714.27 \div 10 = \underline{171.427}$

5. **171.427**

7) $41,835.5 \div \underline{100} = 418.355$

6. **100**

8) $\underline{776.5} \times 100 = 77,650$

7. **776.5**

9) $66,890 \div 1,000 = \underline{66.89}$

8. **66.89**

10) $388.479 \times \underline{1,000} = 388,479$

9. **1,000**

11) $585.48 \times 100 = \underline{58,548}$

10. **58,548**

12) $418,300 \div 1,000 = \underline{418.3}$

11. **418.3**

13) $841.222 \times \underline{100} = 84,122.2$

12. **100**

14) $245.827 \times \underline{100} = 24,582.7$

13. **100**

15) $\underline{4,080} \div 100 = 40.8$

14. **4,080**

16) $465.91 \times 10 = \underline{4,659.1}$

15. **4,659.1**

17) $981,599 \div \underline{1,000} = 981.599$

16. **1,000**

18) $146.542 \times 1,000 = \underline{146,542}$

17. **146,542**

19) $\underline{3,126.75} \div 10 = 312.675$

18. **3,126.75**

20) $\underline{72.8} \times 100 = 7,280$

19. **72.8**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0