Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

Teaching Information:

These questions have been taken from the KS2 Arithmetic test to help your children practise specific question types.

National Curriculum Objectives:

Mathematics Year 6: (6F9a) Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to three decimal places
Mathematics Year 6: (6F9b) Multiply one-digit numbers with up to two-decimal places by whole numbers

Differentiation:

Beginner Multiply a decimal number (ones and tenths only) by a multiple of 10. Aimed at Year 6 Emerging.
Easy Multiply a decimal number (ones, tenths and hundredths) by a multiple of 10. Aimed at Year 6 Developing.
Tricky Multiply a decimal number (tens, ones, tenths and hundredths) by a multiple of 10 or 100. Aimed at Year 6 Expected.
Expert Multiply a decimal number (tens, ones, tenths, hundredths and thousandths) by a multiple of 10, 100 or 1,000. Aimed at Year 6 Greater Depth.

More Arithmetic resources.

Did you like this resource? Don't forget to review it on our website.

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

1

2.4 x 10 =

2

2.3 x 30 =

3

3.4 x 20 =

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4 **1.2 x 40 =**

5 **4.5 x 20 =**

6 **9.8 x 10 =**

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7 **3.6 x 60 =**

8 **2.7 x 50 =**

9 **4.2 x 80 =**

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10 **5.2 x 90 =**

11 **6.4 x 60 =**

12 **5.3 x 70 =**

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1 **3.12 x 20 =**

2 **4.32 x 30 =**

3 **2.12 x 40 =**

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4 **9.86 x 10 =**

5 **5.21 x 60 =**

6 **1.53 x 50 =**

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7 **6.13 x 70 =**

8 **9.04 x 30 =**

9 **4.25 x 80 =**

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10 **7.06 x 80 =**

11 **8.68 x 90 =**

12 **9.08 x 60 =**

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

1

41.24 x 30 =

2

27.92 x 10 =

3

28.63 x 50 =

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4 **70.54 x 20 =**

5 **39.59 x 70 =**

6 **65.05 x 90 =**

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7 **58.39 x 100 =**

8 **21.32 x 300 =**

9 **34.21 x 500 =**

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

10 **60.83 x 400 =**

11 **88.09 x 200 =**

12 **78.56 x 700 =**

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

1 **24.551 x 20 =**

2 **56.391 x 300 =**

3 **78.299 x 500 =**

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

4 **18.023 x 600 =**

5 **23.201 x 90 =**

6 **96.331 x 400 =**

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

7 $36.801 \times 900 =$

8 $66.989 \times 1{,}000 =$

9 $20.553 \times 700 =$

Arithmetic – Multiplying Decimals by Multiples of 10, 100 and 1,000

10 **56.209 x 2,000 =**

11 **32.008 x 5,000 =**

12 **90.005 x 3,000 =**

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Beginner

1. 24
2. 69
3. 68
4. 48
5. 90
6. 98
7. 216
8. 135
9. 336
10. 468
11. 384
12. 371

Easy

1. 62.4
2. 129.6
3. 84.8
4. 98.6
5. 312.6
6. 76.5
7. 429.1
8. 271.2
9. 340
10. 564.8
11. 781.2
12. 544.8

Tricky

1. 1,237.2
2. 279.2
3. 1,431.5
4. 1,410.8
5. 2,771.3
6. 5,854.5
7. 5,839
8. 6,396
9. 17,105
10. 24,332
11. 17,618
12. 54,992

Expert

1. 491.02
2. 16,917.3
3. 39,149.5
4. 10,813.8
5. 2,088.09
6. 38,532.4
7. 33,120.9
8. 66,989
9. 14,387.1
10. 112,418
11. 160,040
12. 270,015