Name

# Decimals: Masters of Multiplication and Division!

## Chapter 1: Multiplying Magic

Multiplying by 10:

1. 4.78 x 10 = _____
2. 0.629 x 10 = _____
3. 15.37 x 10 = _____
4. 0.004 x 10 = _____
5. 236.5 x 10 = _____
6. 0.842 x 10 = _____
7. 5.19 x 10 = _____
8. 0.0002 x 10 = _____
9. 87.24 x 10 = _____
10. 0.781 x 10 = _____

Multiplying by 100:

11. 3.85 x 100 = _____
12. 0.937 x 100 = _____
13. 12.08 x 100 = _____
14. 0.005 x 100 = _____
15. 64.9 x 100 = _____
16. 0.415 x 100 = _____
17. 18.73 x 100 = _____
18. 0.0009 x 100 = _____
19. 52.1 x 100 = _____
20. 0.123 x 100 = _____

Multiplying by 1000:

21. 0.026 x 1000 = _____
22. 9.517 x 1000 = _____
23. 10.4 x 1000 = _____
24. 0.0001 x 1000 = _____
25. 345.8 x 1000 = _____

Mega Mix Up

1. 5.67 x 10 = _____
2. 3.04x100 = _____
3. 87.3 x 1000 = _____
4. 90.042 x 100 = _____
5. 32.12 x 1000 = _____
6. 60.307 x 10 = _____
7. 40.04 x 1000 = _____
8. 78.21 x 100 = _____
9. 54.332 x 10 = _____
10. 60.7092 x 100 = _____

**Decimal Place Value Chart**

| Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones | Tenths | Hundredths | Thousandths | Ten Thousandths | Hundred Thousandths | Millionths |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | Hth | TTh | Th | H | T | O | t | h | th | tth | hth | m |
| | | | | | | | | | | | | |

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## Chapter 2: Division Dilemmas

Dividing by 10:

1. 45.89 ÷ 10 = _____
2. 0.28 ÷ 10 = _____
3. 167.4 ÷ 10 = _____
4. 0.015 ÷ 10 = _____
5. 89.6 ÷ 10 = _____
6. 0.534 ÷ 10 = _____
7. 21.45 ÷ 10 = _____
8. 0.009 ÷ 10 = _____
9. 78.52 ÷ 10 = _____
10. 0.067 ÷ 10 = _____

Dividing by 100:

11. 56.84 ÷ 100 = _____
12. 0.795 ÷ 100 = _____
13. 308.24 ÷ 100 = _____
14. 0.042 ÷ 100 = _____
15. 92.7 ÷ 100 = _____
16. 0.831 ÷ 100 = _____
17. 15.67 ÷ 100 = _____
18. 0.0018 ÷ 100 = _____
19. 47.21 ÷ 100 = _____
20. 0.054 ÷ 100 = _____

Dividing by 1000:

21. 0.348 ÷ 1000 = _____
22. 85.27 ÷ 1000 = _____
23. 1289.5 ÷ 1000 = _____
24. 0.0047 ÷ 1000 = _____
25. 236.14 ÷ 1000 = _____

Mega Mix Up

1. 42.3 ÷ 10 = _____
2. 786.37 ÷ 100 = _____
3. 514.332 ÷ 1000 = _____
4. 892.1 ÷ 100 = _____
5. 478.23 ÷ 1000 = _____
6. 932.231 ÷ 10 = _____
7. 4006.23 ÷ 1000 = _____
8. 7865.67 ÷ 100 = _____
9. 24 ÷ 10 = _____
10. 34.213 ÷ 100 = _____

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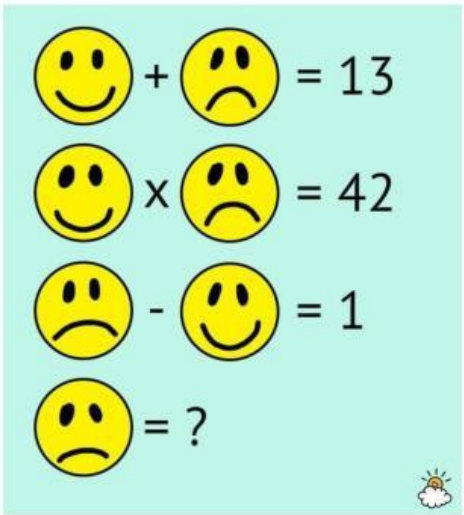
## Chapter 3: Multiplication & Division Mashup

In this chapter, you'll solve problems by strategically using multiplication and division with 10, 100, or 1000!

1. Miss Newton is marking Primary 7s writing jotters. It takes her 0.2 hours to mark one book. If she has 10 books to mark, how long will this take her?
2. Karen the cook's recipe yields 1.25kg cake batter and uses 10 cups of flour. How much cake batter would you get from 1 cup of flour?
3. Mr Ritchie's rectangular carpet has a length of 10 meters and a width of 1.8 meters. What is the area of the carpet in square meters? (Hint: Multiply length by width)
4. Miss Atkinson is ordering new textbooks for the school. She spends £1299 in total on 100 books. What was the cost of 1 book?
5. Miss Bell's car travels 112 kilometres and uses 10 litres of fuel. How far would she manage to travel on 1 litre of fuel? (Hint: Divide distance by fuel)
6. Miss Obro needs to buy 1000 nails to fix her garden shed. She spends £25.50 in total. How much would each nail cost?
7. Mrs Bradshaw decides to start fining children £1.67 for being naughty. Last week she caught 100 children being naughty. How much money did Mrs Bradshaw make?
8. Mrs Wallace needs a new fence for her garden. Her garden has a perimeter of 100m, and her new fence costs £2435. How much would 1m of fence cost?
9. Miss Wilkie's dog needs 0.65kg per day. How much food would she need to feed him for 10 days?
10. Mrs Peggie is a dedicated runner and runs every day. Over the past 100 days she has run 423 km. How many kilometres did she run each day?



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