24/11/2025

MPI: Multiplying and dividing a number by 10

Complete the multiplication sentences.

a) 9 × 10 = ☐

b) 54 × 10 = ☐

c) 10 × 13 = ☐

d) 126 × 10 = ☐

e) ☐ × 10 = 320

f) 10 × ☐ = 1,350

g) 20 × 10 = ☐

h) ☐ × 10 = 5,000

What is 10 times greater than 34?

570 is 10 times greater than what number?

Complete the division sentences.

a) 90 ÷ 10 = ☐

b) 750 ÷ 10 = ☐

c) 820 ÷ 10 = ☐

d) ☐ = 1,460 ÷ 10

e) 32,390 ÷ 10 = ☐

f) 6,200 ÷ 10 = ☐

g) 700 ÷ 10 = ☐

h) 92,000 ÷ 10 = ☐

24/11/2025 - *

MPI: Multiplying and dividing a number by 10

Th	H	T	O
			7

7 × 10 = ☐

Th	H	T	O
		3	9

39 × 10 = ☐

Th	H	T	O
	2	0	5

205 × 10 = ☐

60 divided by 10 is equal to ___

450 divided by 10 is equal to _____

2700 divided by 10 is equal to ____

90 ÷ 10 = ☐

750 ÷ 10 = ☐

820 ÷ 10 = ☐

What is 10 times greater than 34?

24/11/2025 - CHALLENGE

MPI: Multiplying and dividing a number by 10

Seb collected 300 pebbles on an Australian beach.

He split them into 10 equal groups. He then split each group equally into 10 vases.

How many pebbles did he put in each vase?

How many vases did he use in total?

24/11/2025 - CHALLENGE

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24/11/2025 - CHALLENGE

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25/11/25

MPI: Multiplying and dividing a number by 100

45 × 100 = ☐

52 × 100 = ☐

70 × 100 = ☐

4,500 ÷ 100 = ☐

62,000 ÷ 100 = ☐

739,300 ÷ 100 = ☐

Write <, > or = to make the statements true.

a) 78 × 10 ◯ 78 × 100

b) 100 × 56 ◯ 65 × 100

c) 930 × 10 ◯ 100 × 93

Dan has £20.70

Freddie has £2,070

Freddie has 100 times more money than Dan.

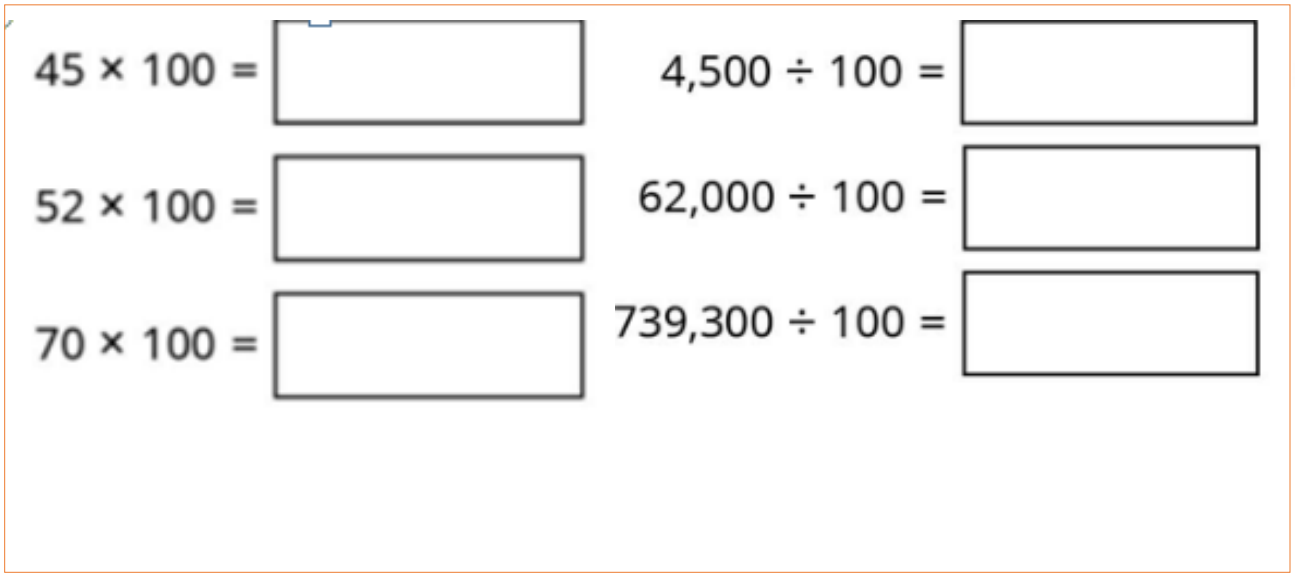
True or false? Explain your reasoning.

25/11/25 - *

MPI: Multiplying and dividing a number by 100

8 ____ multiplied by 100 is equal to _____

15 ____ multiplied by 100 is equal to _____



600 divided by 100 is equal to _____

900 divided by 100 is equal to _____

25/11/25 - CHALLENGE

MPI: Multiplying and dividing a number by 100

In 2019, 568,000 houses were built.

In 2018, 10 times fewer houses were built.

In 2017, 100 times fewer houses were built.

a) How many houses were built in 2018?

b) How many houses were built in 2017?

c) How many houses were built between 2017 and 2019?

25/11/25 - CHALLENGE

MPI: Multiplying and dividing a number by 100

In 2019, 568,000 houses were built.

In 2018, 10 times fewer houses were built.

In 2017, 100 times fewer houses were built.

a) How many houses were built in 2018?

b) How many houses were built in 2017?

c) How many houses were built between 2017 and 2019?

26/11/25

MPI: Multiplying and dividing a number by 1000

HTh	TTh	Th	H	T	O
					9

9 x 1000 =

HTh	TTh	Th	H	T	O
				1	6

16 x 1000 =

HTh	TTh	Th	H	T	O
			2	4	5

245 x 1000 =

65,000 ÷ 1000 =

777,000 ÷ 1000 =

16,000 ÷ 1000 =

900,000 ÷ 1000 =

☐ ÷ 1,000 = 76

☐ ÷ 1,000 = 30

☐ ÷ 1,000 = 300

☐ ÷ 1,000 = 3,000

36000 is 1000 times bigger than _____

_____is 1000 times smaller than 60000

59000 divided by 1000 is equal to _____

9000 divided by 1000 is equal to _____

855,000 ÷ ☐ = 855

26/11/25 - *

MPI: Multiplying and dividing a number by 1000

HTh	TTh	Th	H	T	O
7	6	8	0	0	0

768,000 ÷ 1,000 = ☐

c) 41 × 10 = ☐

41 × 100 = ☐

41 × 1,000 = ☐

d) 10 × 952 = ☐

100 × 952 = ☐

1,000 × 952 = ☐

65,000 ÷ 1000 =

777,000 ÷ 1000 =

16,000 ÷ 1000 =

900,000 ÷ 1000 =

26/11/25 - CHALLENGE

MPI: Multiplying and dividing a number by 1000

A supermarket sells £750,000 of goods in a week.

The manager of the supermarket earns one thousandth of what the shop sells.

How much does the manager earn per week?

26/11/25 - CHALLENGE

MPI: Multiplying and dividing a number by 1000

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How much does the manager earn per week?

27/11/25

MPI: Multiples of 10, 100, 1000

Match the calculations to the answers.

One has been done for you.

8 × 40	3,200
3,200 ÷ 80	320
4 × 800	40
32,000 ÷ 40	800

Complete the multiplication sentences.

Show all the steps in your thinking.

a) 7 × 500 = ☐

b) 6,000 × 8 = ☐

c) 300 × 90 = ☐

d) 500 × 300 = ☐

Complete the calculations.

a) 300 × ☐ = 9,000

b) 6,000 × ☐ = 18,000

c) 700 × ☐ = 28,000

d) ☐ × 90 = 27,000

e) 500 × 60 = ☐

f) 8,000 × ☐ = 720,000

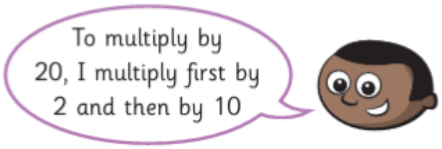
Complete the sentences.

a) To multiply by 50, you multiply by 5 first and then by ☐

b) To multiply by 200, you multiply by ☐ first and then by ☐

c) To multiply by 7,000 you multiply by ☐ first and then by ☐

Mo is multiplying numbers by 20



a) Use Mo's method to complete the multiplication sentences.

7 × 20 = ☐

12 × 20 = ☐

20 × 134 = ☐

b) Would you get the same answer if you multiplied by 10 first and then by 2? _____

Write an example.

_____

_____

27/11/25

MPI: Multiples of 10, 100, 1000*

Match the calculations to the answers.

One has been done for you.

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Complete the multiplication sentences.

Show all the steps in your thinking.

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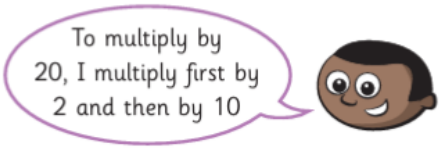
c) 300 × 90 = ☐

d) 500 × 300 = ☐

Mo is multiplying numbers by 20



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12 × 20 = ☐

20 × 134 = ☐

b) Would you get the same answer if you multiplied by 10 first and then by 2? _____

Write an example.

_____

_____

42 × 3 = 126

Use this fact to solve the calculations.

a) 42 × 30 = ☐

b) 420 × 3 = ☐

c) 300 × 42 = ☐

d) 42 × 3,000 = ☐

27/11/25 - CHALLENGE

MPI: Multiples of 10, 100, 1000

The School Trip Tickets

Each coach ticket costs 342 pence (that's £3.42). The school needs to buy tickets for 64 children.

How much money will the school spend in total?

Problem 2: The Stadium Seats

A stadium block has 287 seats. There are 45 blocks in the stadium.

How many seats are there altogether?

Problem 3: The Factory Production

A factory produces 526 toys each day. It runs for 28 days in a month.

How many toys are produced in that month?

27/11/25 - CHALLENGE

MPI: Multiples of 10, 100, 1000

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