25/11/24

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 = ☐

25/11/24 - *

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?

25/11/24 - 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?

25/11/24 - 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?

26/11/24

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.

26/11/24 - *

MPI: Multiplying and dividing a number by 100

8 ____ multiplied by 100 is equal to _____

15 ____ multiplied by 100 is equal to _____

45 × 100 =	4,500 ÷ 100 =
52 × 100 =	62,000 ÷ 100 =
70 × 100 =	739,300 ÷ 100 =

600 divided by 100 is equal to _____

900 divided by 100 is equal to _____

26/11/24 - 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?

26/11/24 - 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?

27/11/24

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

27/11/24 - *

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 =

27/11/24 - 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?

27/11/24 - 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?

28/11/24

MPI: Multiplying and dividing a number by 10, 100, 1000

Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000			
	7,200		
		3,500	

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

a) 4,900 ÷ 10 ◯ 4,900 ÷ 100

b) 56,000 ÷ 100 ◯ 65,000 ÷ 100

c) 93,000 ÷ 1,000 ◯ 9,300 ÷ 100

d) 5,700 ÷ 100 ◯ 5,700 ÷ 1,000

Q1. Complete the following calculations.

☐ X 1,000 = 15,000

100 X ☐ = 1,500

1,500 = ☐ X 10

28/11/24 - *

MPI: multiplying and dividing a number by 10, 100, 1000

c) 41 × 10 = ☐

41 × 100 = ☐

41 × 1,000 = ☐

d) 10 × 952 = ☐

100 × 952 = ☐

1,000 × 952 = ☐

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

a) 4,900 ÷ 10 ◯ 4,900 ÷ 100

b) 56,000 ÷ 100 ◯ 65,000 ÷ 100

c) 93,000 ÷ 1,000 ◯ 9,300 ÷ 100

d) 5,700 ÷ 100 ◯ 5,700 ÷ 1,000

28/11/24 - CHALLENGE

MPI: Multiplying and dividing a number by 10,100,1000

Q2.

Alice has 3,897 grains of rice.

Bob has 10 times as many grains as Alice.

Connie has 100 times as many grains as Bob.

How many grains of rice do they have altogether?

28/11/24 - CHALLENGE

MPI: Multiplying and dividing a number by 10, 100, 1000

Q2.

Alice has 3,897 grains of rice.

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