

Time:

Score:

Multiplying by 10, 100 or 1,000: 1 [ A ]



$\times 10, 100, 1000$ $\div 10, 100, 1000$	Doubling Lg Halving Lg	Nice Numbers + Nr 100	- Nr 100 x5	x 50, 25 Revision
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To x10, x100, x1,000: Use a number slide.

- x10 move the numbers 1 place. The number is getting bigger, so move each digit to the left.
- x100 move the numbers 2 places to the left.
- x1,000 move the numbers 3 places to the left.

$68 \times 10 = \underline{\quad}$

TTh Th, H T O

			6	8
--	--	--	---	---

x10

		6	8	0
--	--	---	---	---

$68 \times 100 = \underline{\quad}$

TTh Th, H T O

			6	8
--	--	--	---	---

x100

	6	8	0	0
--	---	---	---	---

$68 \times 1,000 = \underline{\quad}$

TTh Th, H T O

			6	8
--	--	--	---	---

x1,000

6	8	0	0	0
---	---	---	---	---

Note to teachers: It is not recommended to talk of "adding zeroes", since this is not an accurate description of the process. Also it causes problems when numbers with decimals are multiplied. Rather, talk about moving the digits to new locations to make the number bigger by a power of ten.

x 10, x 100,

- 66 x 10 =
- 24 x 10 =
- 47 x 10 =
- 45 x 10 =
- 48 x 10 =
- 56 x 10 =
- 32 x 10 =
- 91 x 1,000 =
- 15 x 10 =
- 45 x 1,000 =



This is a

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- 57 x 100 =
- 45 x 10 =
- 81 x 1,000 =

**Addition revision**

- |             |              |
|-------------|--------------|
| 21) 6 + 5 = | 26) 9 + 4 =  |
| 22) 9 + 8 = | 27) 5 + 5 =  |
| 23) 4 + 6 = | 28) 4 + 5 =  |
| 24) 5 + 8 = | 29) 3 + 5 =  |
| 25) 7 + 4 = | 30) 10 + 7 = |

**Subtraction revision**

- |              |              |
|--------------|--------------|
| 31) 10 - 5 = | 36) 12 - 4 = |
| 32) 9 - 4 =  | 37) 17 - 8 = |
| 33) 17 - 9 = | 38) 11 - 3 = |
| 34) 14 - 6 = | 39) 16 - 8 = |
| 35) 9 - 2 =  | 40) 18 - 9 = |

This worksheet is part of the Professor Pete's Classroom eBook "Ten Minutes Day 3: Mental Strategies Worksheets".

Time:

Score:

Multiplying by 10, 100 or 1,000: 1 [ B ]



$\times 10, 100, 1000$	Doubling Lg	Nice Numbers	- Nr 100	$\times 50, 25$
$\div 10, 100, 1000$	Halving Lg	+ Nr 100	$\times 5$	Revision

To x10, x100, x1,000: Use a number slide.

- x10 move the numbers 1 place. The number is getting bigger, so move each digit to the left.
- x100 move the numbers 2 places to the left.
- x1,000 move the numbers 3 places to the left.

$47.3 \times 10 = \underline{\quad}$	$47.3 \times 100 = \underline{\quad}$	$47.3 \times 1,000 = \underline{\quad}$
TTh Th, H T O . t	TTh Th, H T O . t	TTh Th, H T O . t
<input type="text"/> <input type="text"/> <input type="text"/> 4 3 . 7 $\times 10$	<input type="text"/> <input type="text"/> <input type="text"/> 4 3 . 7 $\times 100$	<input type="text"/> <input type="text"/> <input type="text"/> 4 3 . 7 $\times 1,000$
<input type="text"/> <input type="text"/> 4 3 7 . <input type="text"/>	<input type="text"/> 4 , 3 7 0 . <input type="text"/>	4 3 , 7 0 0 . <input type="text"/>

x 10, x 100, x 1,000

- |  |   |
|--|---|
| 1) $78.9 \times 100 = \underline{\quad}$ | 11) $94.6 \times 100 = \underline{\quad}$ |
| 2) $942 \times \underline{\quad}$        |   |
| 3) $80.4 \times \underline{\quad}$       |   |
| 4) $50.4 \times \underline{\quad}$       |   |
| 5) $78.5 \times \underline{\quad}$       |   |
| 6) $80.2 \times \underline{\quad}$       |   |
| 7) $997 \times \underline{\quad}$        |   |
| 8) $83.1 \times \underline{\quad}$       |   |
| 9) $72.0 \times \underline{\quad}$       |   |
| 10) $2.9 \times 10 = \underline{\quad}$  | 20) $356 \times 100 = \underline{\quad}$  |

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**Addition revision**

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 21) $5 + 7 = \underline{\quad}$ | 24) $5 + 4 = \underline{\quad}$  |
| 22) $5 + 5 = \underline{\quad}$ | 25) $8 + 4 = \underline{\quad}$  |
| 23) $7 + 4 = \underline{\quad}$ | 26) $10 + 7 = \underline{\quad}$ |

**Subtraction revision**

- |                                  |                                  |
|----------------------------------|----------------------------------|
| 33) $11 - 4 = \underline{\quad}$ | 36) $10 - 4 = \underline{\quad}$ |
| 34) $18 - 9 = \underline{\quad}$ | 37) $9 - 3 = \underline{\quad}$  |
| 35) $16 - 7 = \underline{\quad}$ | 38) $12 - 6 = \underline{\quad}$ |

**Multiplication revision**

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 27) $8 \times 9 = \underline{\quad}$  | 30) $5 \times 8 = \underline{\quad}$ |
| 28) $10 \times 5 = \underline{\quad}$ | 31) $5 \times 7 = \underline{\quad}$ |
| 29) $9 \times 7 = \underline{\quad}$  | 32) $4 \times 7 = \underline{\quad}$ |

**Division revision**

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| 39) $36 \div 4 = \underline{\quad}$ | 42) $36 \div 6 = \underline{\quad}$ |
| 40) $48 \div 6 = \underline{\quad}$ | 43) $54 \div 6 = \underline{\quad}$ |
| 41) $72 \div 9 = \underline{\quad}$ | 44) $72 \div 8 = \underline{\quad}$ |

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Time:

Score:

Multiplying by 10, 100 or 1,000: 1 [ C ]



x 10,100,1000  
÷ 10,100,1000

Doubling Lg  
Halving Lg

Nice Numbers  
+ Nr 100

- Nr 100  
x5

x 50,25  
Revision

To x10, x100, x1,000: Use a number slide.

- x10 move the numbers 1 place. The number is getting bigger, so move each digit to the left.
- x100 move the numbers 2 places to the left.
- x1,000 move the numbers 3 places to the left.

3.59 x 10 = \_\_\_\_\_

3.59 x 100 = \_\_\_\_\_

3.59 x 1,000 = \_\_\_\_\_

H T O . t h

		3	.	5	9	x10
		←				
	3	5	.	9		

H T O . t h

		0	.	9	1	x100
		←				
	9	1	.			

H T O . t h th

		0	.	0	2	3	x1,000
		←					
	2	3	.				

x 10, x 100, x 1,000

- 1) 9.49 x 100 = \_\_\_\_\_ 11) 49.3 x 10 = \_\_\_\_\_
- 2) 2.66 x \_\_\_\_\_
- 3) 60.8 x \_\_\_\_\_
- 4) 77.6 x \_\_\_\_\_
- 5) 9.22 x \_\_\_\_\_
- 6) 521 x \_\_\_\_\_
- 7) 951 x \_\_\_\_\_
- 8) 6.17 x \_\_\_\_\_
- 9) 275 x \_\_\_\_\_
- 10) 37.8 x 1,000 = \_\_\_\_\_ 20) 746 x 100 = \_\_\_\_\_

This is a

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**Addition revision**

- 21) 5 + 5 = \_\_\_\_\_ 24) 6 + 5 = \_\_\_\_\_
- 22) 9 + 5 = \_\_\_\_\_ 25) 5 + 6 = \_\_\_\_\_
- 23) 3 + 6 = \_\_\_\_\_ 26) 4 + 5 = \_\_\_\_\_

**Subtraction revision**

- 33) 16 - 8 = \_\_\_\_\_ 36) 18 - 9 = \_\_\_\_\_
- 34) 14 - 6 = \_\_\_\_\_ 37) 17 - 9 = \_\_\_\_\_
- 35) 16 - 7 = \_\_\_\_\_ 38) 9 - 2 = \_\_\_\_\_

**Multiplication revision**

- 27) 4 x 7 = \_\_\_\_\_ 30) 7 x 8 = \_\_\_\_\_
- 28) 4 x 5 = \_\_\_\_\_ 31) 7 x 7 = \_\_\_\_\_
- 29) 6 x 4 = \_\_\_\_\_ 32) 10 x 5 = \_\_\_\_\_

**Division revision**

- 39) 28 ÷ 7 = \_\_\_\_\_ 42) 36 ÷ 9 = \_\_\_\_\_
- 40) 40 ÷ 5 = \_\_\_\_\_ 43) 81 ÷ 9 = \_\_\_\_\_
- 41) 30 ÷ 3 = \_\_\_\_\_ 44) 54 ÷ 9 = \_\_\_\_\_

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