

1 Write this number sentence including solution using exponents.

$$(32 \div 4) \times 2 =$$

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2 Write this number sentence including solution using exponents.

$$(8 \times 128) \div 32 =$$

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3 Write this number sentence including solution using exponents.

$$(2 \times 16) \div 4 =$$

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4 Write this number sentence including solution using exponents.

$$(64 \times 8) \times 4 =$$

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5 Write this number sentence including solution using exponents.

$$512 \div 16 =$$

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6 Write this number sentence including solution using exponents.

$$4096 \div 8 =$$

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7 Write this number sentence including solution using exponents.

$$1024 \div 2 =$$

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8 Write this number sentence including solution using exponents.

$$64 \div 4 =$$

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9 Write this number sentence including solution using exponents.

$$32 \div 8 =$$

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10 Write this number sentence including solution using exponents.

$$32 \div 2 =$$

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11 Write this number sentence including solution using exponents.

$$64 \times 256 =$$

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12 Write this number sentence including solution using exponents.

$$16 \times 128 =$$

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13 Write this number sentence including solution using exponents.

$$4 \times 256 =$$

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14 Write this number sentence including solution using exponents.

$$8 \times 128 =$$

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15 Write this number sentence including solution using exponents.

$$2 \times 16 =$$

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16 Write this number sentence including solution using exponents.

$$8 \times 4 =$$

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17 Write this number sentence including solution using exponents.

$$512 \times 1024 =$$

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18 Write this number sentence including solution using exponents.

$$1024 \times 2048 =$$

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19 Write this number sentence including solution using exponents.

$$4096 \div 1024 =$$

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20 Write this number sentence including solution using exponents.

$$1024 \div 2048 =$$

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Problem	Number phrase	Solution	(Not asked for)	
			Standard	Scientific Notation
1	$(32 \div 4) \times 2 = (2^5 \div 2^2) \times 2^1$	$(2^3) \times 2^1 = 2^4$	16	1.6×10^1
2	$(8 \times 128) \div 32 = (2^3 \times 2^7) \div 2^5$	$(2^{10}) \div 2^5 = 2^5$	32	3.2×10^1
3	$(2 \times 16) \div 4 = (2^1 \times 2^4) \div 2^2$	$(2^5) \div 2^2 = 2^3$	8	8×10^0
4	$(64 \times 8) \times 4 = (2^6 \times 2^3) \times 2^2$	$(2^9) \times 2^2 = 2^{11}$	2048	2.048×10^3
5	$512 \div 16 = 2^9 \div 2^4$	$2^9 \div 2^4 = 2^5$	32	3.2×10^1
6	$4096 \div 8 = 2^{12} \div 2^3$	$2^{12} \div 2^3 = 2^9$	512	5.12×10^2
7	$1024 \div 2 = 2^{10} \div 2^1$	$2^{10} \div 2^1 = 2^9$	512	5.12×10^2
8	$64 \div 4 = 2^6 \div 2^2$	$2^6 \div 2^2 = 2^4$	16	1.6×10^1
9	$32 \div 8 = 2^5 \div 2^3$	$2^5 \div 2^3 = 2^2$	4	4×10^0
10	$32 \div 2 = 2^5 \div 2^1$	$2^5 \div 2^1 = 2^4$	16	1.6×10^1
11	$64 \times 256 = 2^6 \times 2^8$	$2^6 \times 2^8 = 2^{13}$	8192	8.192×10^3
12	$16 \times 128 = 2^4 \times 2^7$	$2^4 \times 2^7 = 2^{11}$	2048	2.048×10^3
13	$4 \times 256 = 2^2 \times 2^8$	$2^2 \times 2^8 = 2^{10}$	1024	1.024×10^3
14	$8 \times 128 = 2^3 \times 2^7$	$2^3 \times 2^7 = 2^{10}$	1024	1.024×10^3
15	$2 \times 16 = 2^1 \times 2^4$	$2^1 \times 2^4 = 2^5$	32	3.2×10^1
16	$8 \times 4 = 2^3 \times 2^2$	$2^3 \times 2^2 = 2^5$	32	3.2×10^1
17	$512 \times 1024 = 2^9 \times 2^{10}$	$2^9 \times 2^{10} = 2^{19}$	524,288	5.24288×10^5
18	$1024 \times 2048 = 2^{10} \times 2^{11}$	$2^{10} \times 2^{11} = 2^{21}$	2,097,152	2.097152×10^6
19	$4096 \div 1024 = 2^{12} \div 2^{10}$	$2^{12} \div 2^{10} = 2^2$	4	4×10^0
20	$1024 \div 2048 = 2^{10} \div 2^{11}$	$2^{10} \div 2^{11} = 2^{-1}$	0.5	5×10^{-1}