Morse Code Worksheet

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THE DAILY DABBLE

Morse code is still used throughout the world for very select tasks and has even in this modern-day and technology-packed world had the power to significantly impact the lives of many who use it as their only source of communication.

Even beyond these common day uses there are still tons of reasons and benefits of learning Morse code such as a survival skill or even a hobby.

Because you never quite know what the future holds nor what crazy skills could one day aid you!

The goal of this worksheet is to provide you with the basics of Morse code and how to use it, along with a few excercises to solidify your new found knowledge!

Let's get to it!

Morse Code: The Basics

Two basic signals make up the entire alphabet in Morse code—dots and dashes.

DOT **DASH**

1. **The dots** are symbolized by periods and represent a quick and rapid signal.
2. **The dashes** are longer, are symbolized by a hyphen, and represent a slow signal.

Knowing the timing rules is critical for receiving and sending messages in Morse code. Here are five simple timing rules to remember:

1. The length of a dot is 1 unit of time.
2. The length of a dash is 3 units of time.
3. The space between the dots and dashes in the same letter is 1 unit of time.
4. The space between letters is 3 units of time.
5. The space between words is 7 units of time.

Morse Code Numbers

1 ●▬▬▬▬		6 ▬●●●●	
2 ●●▬▬▬		7 ▬▬●●●	
3 ●●●▬▬		8 ▬▬▬●●	
4 ●●●●▬		9 ▬▬▬▬●	
5 ●●●●●		0 ▬▬▬▬▬	

Morse Code Alphabet

A ●▬	J ●▬▬▬	S ●●●
B ▬●●●	K ▬●▬	T ▬
C ▬●▬●	L ●▬●●	U ●●▬
D ▬●●	M ▬▬	V ●●●▬
E ●	N ▬●	W ●▬▬
F ●●▬●	O ▬▬▬	X ▬●●▬
G ▬▬●	P ●▬▬●	Y ▬●▬▬
H ●●●●	Q ▬▬●▬	Z ▬▬●●
I ●●	R ●▬●	

Morse Code Exercise: Translate

Using the table above, use Morse code to translate the following words with dots, dashes, or letters.

CAT	▬●▬● ●▬ ▬
DOG	
TURTLE	
	▬ ●▬● ● ●
	●●● ▬●▬ ▬●▬▬
LIGHTNING	
THUNDER	
	▬●●● ●▬●● ●●▬ ●
	●▬▬ ●▬ ▬ ● ●▬●
SOS	

Morse Code Exercise: Phrases

Use Morse code to translate the following phrases with dots, dashes, or letters. Remember that the space between words is the length of three dashes, which can also be substituted with a forward slash. [/]

EXAMPLE:

Morse code is not nearly as hard as you may think.

-- --- .-. ... . / -.-. --- -.. . / .. ... / -. --- - / -. . .- .-. .-.. -.-- / .- ... / .... .- .-. -.. / .- ... / -.-- --- ..- / -- .- -.-- / - .... .. -. -.- .-.-.-

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EXERCISE #1

-- --- .-. ... . / -.-. --- -.. . / .-- .- ... / --- .-. .. --. .. -. .- -.. -.. -.-- / .. -. ...- . -. - . -.. / -... -.-- / .... .- -- ..- . .-.. / ..-. .-.-. -... .-.- / -- --- .-. ... . / .. -. / .---- ---.. ...-- ----- .-.-.-

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EXERCISE #2

The horse jumped over the candlestick.

EXERCISE #3

-.. --- --. ... / -... .- .-. -.- / .- -. -.. / -.-. .- - ... / -- . --- .-- .-.-.-

Morse Code Exercise: Phrases (Continued)

Exercise #4

-... . / -.- .. -. -.. --..-- / ..-. --- .-. / . ...- . .-. -.-- --- -. . / -.-- --- ..- / -- . . - /
... ... / ..-. .. --. .... - .. -. --. / .- / .... .- .-. -.. . .-. / -... .- - - .-.. .

Exercise #5

..-. .- .-.. .-.. / ... .- . .-. / - .. -- . .... --..-- / ... - .- -. -.. / ..- .--. / . .. --. .... - .-.-
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Exercise #6

The car drove too fast

Exercise #7

Life is a succession of lessons which must be lived to be understood