Tempo and Project Duration

Calculate elapsed time for a fixed musical length.

Name _____ Date _____

Every project is in 4/4 with a constant quarter-note BPM. Seconds = measures x 4 x 60 / BPM. Count-in, pauses, pickups, and reverb tails are excluded. A calculator is allowed.

Project	Measures	BPM	Extra time
A	4	120	None
B	8	120	None
C	4	60	None
D	8	96	None

Use the model above. Write a brief answer for each item.

1. How many quarter-note beats are in A?

2. How many seconds long is A?

3. How many seconds long is B?

4. How many seconds long is C?

5. How many seconds long is D?

6. A doubles to 240 BPM. What is its new duration?

7. At 120 BPM, how many complete 4/4 measures fit in 10 seconds?

8. Why must an audible reverb tail be checked separately when exporting?

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Project	Measures	BPM	Extra time
A	4	120	None
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Use the model above. Write a brief answer for each item.

1. How many quarter-note beats are in A?

16

2. How many seconds long is A?

8 seconds

3. How many seconds long is B?

16 seconds

4. How many seconds long is C?

16 seconds

5. How many seconds long is D?

20 seconds

6. A doubles to 240 BPM. What is its new duration?

4 seconds

7. At 120 BPM, how many complete 4/4 measures fit in 10 seconds?

5 measures

8. Why must an audible reverb tail be checked separately when exporting?

It may continue after the final musical beat.