ANSWERS

1

0.1 g = 0.1 x 1000 = 100 mg
Supply: 100 mg/tab

$$\frac{D}{H} \times Q$$

$$\frac{100\ \cancel{mg}}{100\ \cancel{mg}} \times 1\ tab = \textbf{1 tablet}$$

2

2.5 mg tablets
2.5 + 2.5 + 2.5 = 7.5 mg
Give 3 tablets

Note: It will be difficult to cut the 10 mg tablet to get the 7.5 mg and the result will be inaccurate.

3

$$\frac{D}{H} \times Q$$

$$\frac{5\ \cancel{mg}}{2.5\ \cancel{mg}} \times 1\ tab = \textbf{2 tablets}$$

4

1 mg = 1000 mcg
0.1 x 1000 = 100 mcg
(or move the decimal point three places to the right)

$$\frac{100\ \cancel{mg}}{50\ \cancel{mg}} \times 1\ tab = \textbf{2 tablets}$$

5

1 g = 1000 mg
0.5 g x 1000 = 500 mg
(or move the decimal point three places to the right)

$$\frac{500\ \cancel{mg}}{500\ \cancel{mg}} \times 1\ tab = \textbf{1 tablet}$$

6

30 mg tablets
30 + 15 = 45 mg

$$\frac{D}{H} \times Q$$

$$\frac{45\ \cancel{mg}}{30\ \cancel{mg}} \times 1\ tab = \textbf{1.5 tablets}$$

Note: It will be difficult to cut the 60 mg tablet to get the 45 mg and the result will be inaccurate.

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