

**RELATED CALCULATIONS – PRACTICE QUESTIONS  
NON-CALCULATOR**



1.

Use the fact that

$$46 \times 22 = 1012$$

to work out:

(a)  $46 \times 11$

(b)  $23 \times 22$

(c)  $92 \times 44$

(d)  $1012 \div 46$

(e)  $1012 \div 44$

2.

Use the fact that

$$102 \times 32 = 3264$$

to work out:

(a)  $102 \times 96$

(b)  $51 \times 64$

(c)  $204 \times 32$

(d)  $3264 \div 32$

(e)  $3264 \div 51$

3.

Use the fact that

$$36 \times 98 = 3528$$

to work out:

(a)  $12 \times 98$

(b)  $72 \times 49$

(c)  $3528 \div 49$

(d)  $3528 \div 72$

(e)  $9 \times 196$

4.

Use the fact that

$$125 \times 404 = 50500$$

to work out:

(a)  $125 \times 202$

(b)  $50500 \div 101$

(c)  $125 \times 808$

(d)  $50500 \div 25$

(e)  $250 \times 808$

5.

Use the fact that

$$140 \times 63 = 8820$$

to work out:

(a)  $1400 \times 63$

(b)  $140 \times 630$

(c)  $1400 \times 630$

(d)  $14 \times 63$

(e)  $14 \times 6.3$

6.

Use the fact that

$$77 \times 310 = 23870$$

to work out:

(a)  $770 \times 310$

(b)  $7.7 \times 31$

(c)  $7700 \times 31$

(d)  $23870 \div 770$

(e)  $23870 \div 31$

7.

Use the fact that

$$226 \times 97 = 21922$$

to work out:

(a)  $22600 \times 97$

(b)  $21922 \div 22.6$

(c)  $2.26 \times 970$

(d)  $219.22 \div 97$

(e)  $219220 \div 226$

8.

Use the fact that

$$333 \times 121 = 40293$$

to work out:

(a)  $402930 \div 3330$

(b)  $333 \times 1.21$

(c)  $4029.3 \div 33.3$

(d)  $40.293 \div 12.1$

(e)  $3.33 \times 1.21$

9.

Use the fact that

$$5713 \times 23 = 131399$$

to work out:

(a)  $5713 \times 0.23$

(b)  $13139.9 \div 230$

(c)  $57.13 \times 23000$

(d)  $131.399 \div 2.3$

(e)  $0.5713 \times 23000$

10.

Use the fact that

$$\frac{30940}{68} = 455$$

to work out:

(a)  $455 \times 68$

(b)  $3094 \div 680$

(c)  $3094 \div 0.68$

(d)  $45.5 \times 6.8$

(e)  $309.4 \div 455$

11.

Use the fact that

$$679 \times 12 = 8148$$

to work out:

(a)  $679 \times 13$

(b)  $680 \times 12$

(c)  $679 \times 11$

(d)  $675 \times 12$

(e)  $679 \times 14$

12.

Use the fact that

$$1911 \times 77 = 147147$$

to work out:

(a)  $19110 \times 0.77$

(b)  $1912 \times 77$

(c)  $147.147 \div 7.7$

(d)  $1911 \times 78$

(e)  $1471470 \div 191.1$