



Doubling and Halving Mentally

Remember the patterns

Double ($\times 2$)
Halve ($\div 2$)



$1 \longrightarrow 2$

$2 \longrightarrow 4$

$3 \longrightarrow 6$

$4 \longrightarrow 8$

$5 \longrightarrow 10$

$6 \longrightarrow 12$

$7 \longrightarrow 14$

$8 \longrightarrow 16$

$9 \longrightarrow 18$

$10 \longrightarrow 20$

$11 \longrightarrow 22$

$12 \longrightarrow 24$

$13 \longrightarrow 26$

$14 \longrightarrow 28$

$15 \longrightarrow 30$

$16 \longrightarrow 32$

$17 \longrightarrow 34$

$18 \longrightarrow 36$

$19 \longrightarrow 38$

$20 \longrightarrow 40$

$21 \longrightarrow 42$

$22 \longrightarrow 44$

$23 \longrightarrow 46$

$24 \longrightarrow 48$

$25 \longrightarrow 50$

$26 \longrightarrow 52$

$27 \longrightarrow 54$

$28 \longrightarrow 56$

$29 \longrightarrow 58$

$30 \longrightarrow 60$

$31 \longrightarrow 62$

$32 \longrightarrow 64$

$33 \longrightarrow 66$

$34 \longrightarrow 68$

$35 \longrightarrow 70$

$36 \longrightarrow 72$

$37 \longrightarrow 74$

$38 \longrightarrow 76$

$39 \longrightarrow 78$

$40 \longrightarrow 80$

$41 \longrightarrow 82$

$42 \longrightarrow 84$

$43 \longrightarrow 86$

$44 \longrightarrow 88$

$45 \longrightarrow 90$

$46 \longrightarrow 92$

$47 \longrightarrow 94$

$48 \longrightarrow 96$

$49 \longrightarrow 98$

$50 \longrightarrow 100$

3 How quickly can you double these numbers? Time yourself!

- | | | | |
|--------|--------|--------|--------|
| a 15 = | f 25 = | k 35 = | p 45 = |
| b 18 = | g 16 = | l 37 = | q 46 = |
| c 16 = | h 19 = | m 36 = | r 48 = |
| d 19 = | i 17 = | n 39 = | s 49 = |
| e 17 = | j 18 = | o 38 = | t 47 = |

Time for a – e

mins	secs
------	------

Time for f – j

mins	secs
------	------

Time for k – o

mins	secs
------	------

Time for p – t

mins	secs
------	------

See if you can beat these times

4 How quickly can you halve these numbers? Time yourself!

a 30 =

f 50 =

k 70 =

p 90 =

b 32 =

g 54 =

l 78 =

q 96 =

c 38 =

h 58 =

m 72 =

r 94 =

d 34 =

i 52 =

n 76 =

s 98 =

e 36 =

j 56 =

o 74 =

t 92 =

Time for a - e

Time for f - j

Time for k - o

Time for p - t

mins	secs
------	------

mins	secs
------	------

mins	secs
------	------

mins	secs
------	------

See if you can beat these times

3 How quickly can you double these numbers? Time yourself!

a $15 = 30$

f $25 = 50$

k $35 = 70$

p $45 = 90$

b $18 = 36$

g $16 = 32$

l $37 = 74$

q $46 = 92$

c $16 = 32$

h $19 = 38$

m $36 = 72$

r $48 = 96$

d $19 = 38$

i $17 = 34$

n $39 = 78$

s $49 = 98$

e $17 = 34$

j $18 = 36$

o $38 = 76$

t $47 = 94$

4 How quickly can you halve these numbers? Time yourself!

a $30 = 15$

f $50 = 25$

k $70 = 35$

p $90 = 45$

b $32 = 16$

g $54 = 27$

l $78 = 39$

q $96 = 48$

c $38 = 19$

h $58 = 29$

m $72 = 36$

r $94 = 47$

d $34 = 17$

i $52 = 26$

n $76 = 38$

s $98 = 49$

e $36 = 18$

j $56 = 28$

o $74 = 37$

t $92 = 46$

Time for a – e

mins	secs
------	------

Time for f – j

mins	secs
------	------

Time for k – o

mins	secs
------	------

Time for p – t

mins	secs
------	------

See if you can beat these times