

Name : _____

Sigma Notation

Sheet 1

Rewrite each series using sigma notation.

1) $10 + 160 + 310 + 460 + 610 + 760$

2) $1 + 4 + 36 + 576 + 14400$

3) $2 + 6 + 24 + 120$

$4\sqrt{2} - 28$

5) $-27 - 64 - 125$

$-\frac{27}{125} + \frac{81}{625}$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

7) $-2.7 - 3.9 - 5.1 - 6.3 - 7.5 - 8.7 - 9.9$

8) $-2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10$

Sigma Notation

Rewrite each series using sigma notation.

1) $10 + 160 + 310 + 460 + 610 + 760$

2) $1 + 4 + 36 + 576 + 14400$

$$\sum_{n=1}^6 (150n - 140)$$

$$\sum_{n=1}^5 (n!)^2$$

3) $2 + 6 + 24 + 120 + 720 + 5040 + 40320$

$4\sqrt{2} - 28$

$$\sum_{n=1}^7 (n + 1)!$$

Gain complete access to the largest
collection of worksheets in all subjects!

$$7 \cdot (\sqrt{2})^n$$

5) $-27 - 64 - 125 - 216 - 343 - 512 - 729$

$$-\frac{27}{125} + \frac{81}{625}$$

$$\sum_{n=1}^6 -(n + 1)^2$$

$$\left(\frac{1}{2}\right)^{n-1}$$

7) $-2.7 - 3.9 - 5.1 - 6.3 - 7.5 - 8.7 - 9.9$

8) $-2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10$

$$\sum_{n=1}^7 (-1.2n - 1.5)$$

$$\sum_{n=1}^9 ((-1)^n (n + 1))$$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com