

Name: _____

Expanded Form

Write each decimal in expanded form.

examples: $0.289 = 2 \times (1/10) + 8 \times (1/100) + 9 \times (1/1000)$

$45.692 = 4 \times 10 + 5 \times 1 + 6 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$

a. 0.76 _____

b. 0.481 _____

c. 9.076 _____

d. 23.020 _____

e. 5.2 _____

f. 16.103 _____

g. The mass of a robin's egg is 6.501 grams. Write this number in expanded form.

h. The height of a puffin is 24.02 cm. Write this number in expanded form.

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examples: $0.289 = 2 \times (1/10) + 8 \times (1/100) + 9 \times (1/1000)$

$45.692 = 4 \times 10 + 5 \times 1 + 6 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$

a. 0.76 $7 \times (1/10) + 6 \times (1/100)$

b. 0.481 $4 \times (1/10) + 8 \times (1/100) + 1 \times (1/1000)$

c. 9.076 $9 \times 1 + 7 \times (1/100) + 6 \times (1/1000)$

d. 23.020 $2 \times 10 + 3 \times 1 + 2 \times (1/100)$

e. 5.2 $5 \times 1 + 2 \times (1/10)$

f. 16.103 $1 \times 10 + 6 \times 1 + 1 \times (1/10) + 3 \times (1/1000)$

g. The mass of a robin's egg is 6.501 grams. Write this number in expanded form.

$6 \times 1 + 5 \times (1/10) + 1 \times (1/1000)$ grams

h. The height of a puffin is 24.02 cm. Write this number in expanded form.

$2 \times 10 + 4 \times 1 + 2 \times (1/100)$ cm