

Name: Class:

Convert decimals between standard and expanded form

a. What is the standard decimal form of the following expressions?

$10 \times 1 + 6 \times 0.001$

$9 \times 2 + 4 \times 0.01$

$5 \times 5 + 1 \times 0.001$

$12 \times 3 + 7 \times 0.1$

$22 \times 2 + 4 \times 0.02$

$5 \times 12 + 3 \times 0.003$

$13 \times 11 + 5 \times 0.003$

$4 \times 2 + 9 \times 0.002$

$4 \times 6 + 6 \times 0.01$

What is the standard decimal form of the following expressions? Tick the correct answer.

b. $7 \times 1 + 5 \times 0.1$

7.05

12.1

5.7

7.5

c. $1 \times 4 + 8 \times 1 + 2 \times 0.001$

12.002

8.008

16.004

32.002

d. $10 \times 0.2 + 5 \times 0.01$

2.05

2.06

2.07

2.04

e. $1 \times 9 + 2 \times 1 + 6 \times 0.001$

11.06

11.6

11.006

11.0

f. $7 \times 0.001 + 6 \times 0.001 + 10 \times 1$

10.013

10.0

10.01

10

g. $1 \times 2 + 1 \times 0.1$

1.2

1.02

2.01

2.1

Name: Class:

Convert decimals between standard and expanded form

a. What is the standard decimal form of the following expressions?

$$10 \times 1 + 6 \times 0.001$$

To solve this, let's separate the expression into two parts and then evaluate.

$$\begin{aligned} (10 \times 1) + (6 \times 0.001) &= (10) + (0.006) \\ &= (10 + 0.006) \\ &= 10.006 \end{aligned}$$

So, the standard decimal form is 10.006.

What is the standard decimal form of the following expressions? Tick the correct answer.

b. $7 \times 1 + 5 \times 0.1$

- 7.05
 12.1
 5.7
 7.5

c. $1 \times 4 + 8 \times 1 + 2 \times 0.001$

- 12.002
 8.008
 16.004
 32.002

d. $10 \times 0.2 + 5 \times 0.01$

- 2.05
 2.06
 2.07
 2.04

e. $1 \times 9 + 2 \times 1 + 6 \times 0.001$

- 11.06
 11.6
 11.006
 11.0

f. $7 \times 0.001 + 6 \times 0.001 + 10 \times 1$

- 10.013
 10.0
 10.01
 10

g. $1 \times 2 + 1 \times 0.1$

- 1.2
 1.02
 2.01
 2.1