



Printable assessments

CAMI Mathematics: Grade 6

Decimal fractions

1. Complete the sequence.

- (a) 49,60 ; 49,61 ; 49,63 ; ;
(b) 73,05 ; ; 73,03 ; 73,02 ;
(c) 32,42 ; 32,44 ; ;
(d) 142,201 ; 142,203 ; ;
(e) 947,002 ; 947,003 ; ;

2. Write down the number value of the underlined numbers.

Decimal number	Number value
5 <u>2</u> 5,65	
80 <u>0</u> ,62	
<u>4</u> 16,37	
378, <u>5</u> 9	
632, <u>6</u> 7	

3. Add and subtract the decimal fractions.

- (a)
$$\begin{array}{r} 39,21 \\ - 25,15 \\ \hline \end{array}$$
- (b)
$$\begin{array}{r} 125,09 \\ - 93,16 \\ \hline \end{array}$$
- (c)
$$\begin{array}{r} 459,56 \\ + 85,33 \\ \hline \end{array}$$
- (d)
$$\begin{array}{r} 205,99 \\ + 247,29 \\ \hline \end{array}$$
- (e) $5,65 + 5,3 = \dots\dots$
(f) $7,2 - 0,23 = \dots\dots$
(g) $2,99 - 0,03 = \dots\dots$
(h) $7,38 + 6,5 = \dots\dots$

4. Convert common fractions to decimal fractions.

- (a) $12\frac{1}{5} = \dots\dots$
- (b) $46\frac{4}{10} = \dots\dots$
- (c) $\frac{156}{100} = \dots\dots$
- (d) $7\frac{9}{100} = \dots\dots$
- (e) $48\frac{22}{30} = \dots\dots$
- (e) $51\frac{7}{8} = \dots\dots$



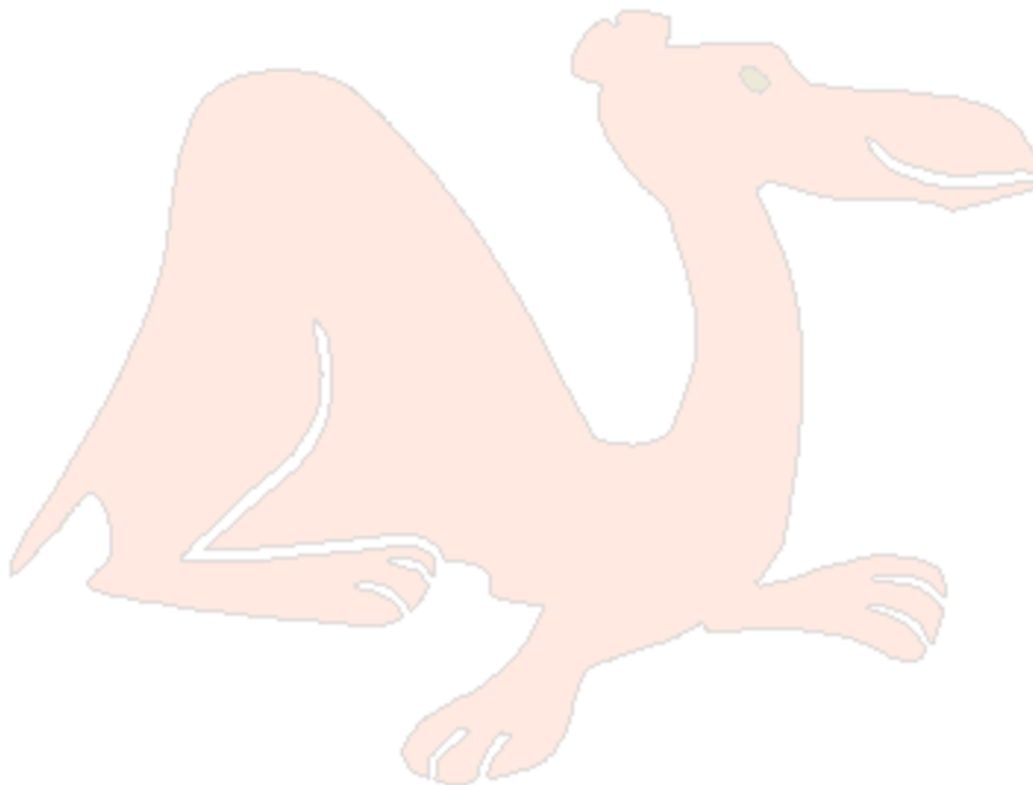
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5. Multiplication.

- (a) $0,785 \times 10 = \dots\dots$
- (b) $14,56 \times 10 = \dots\dots$
- (c) $0,047 \times 100 = \dots\dots$
- (d) $0,0125 \times 100 = \dots\dots$
- (e) $6,45 \times 100 = \dots\dots$

6. Convert decimals to mixed fractions.

- (a) $2,55 = \dots\dots$
- (b) $38.9 = \dots\dots$
- (c) $0,15 = \dots\dots$
- (d) $8,065 = \dots\dots$
- (e) $0,096 = \dots\dots$





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MEMO

1. Complete the sequence. [BasNum88E ; BasNum88F]

- (a) 49,60 ; 49,61 ; 49,63 ; **49,64** ; **49,65**
(b) 73,05 ; **73,04** ; 73,03 ; 73,02 ; **73,01**
(c) 32,42 ; 32,44 ; **32,46** ; **32,48**
(d) 142,201 ; 142,203 ; **142,205** ; **142,207**
(e) 947,002 ; 947,003 ; **947,004** ; **947,005**

2. Write down the number value of the underlined numbers. [2.3.2.2]

Decimal number	Number value
5 <u>2</u> 5,65	20
80 <u>0</u> ,62	0
<u>4</u> 16,37	400
378, <u>5</u> 9	0,5
632, <u>6</u> 7	0,07

3. Add and subtract the decimal fractions.
[AppNum53B ; AppNum53F ; AppNum53G]

- (a)
$$\begin{array}{r} 39,21 \\ - 25,15 \\ \hline \end{array}$$
14,06
- (b)
$$\begin{array}{r} 125,09 \\ - 93,16 \\ \hline \end{array}$$
31,93
- (c)
$$\begin{array}{r} 459,56 \\ + 85,33 \\ \hline \end{array}$$
544,89
- (d)
$$\begin{array}{r} 205,99 \\ + 247,29 \\ \hline \end{array}$$
453,28
- (e) $5,65 + 5,3 = \mathbf{10,95}$
(f) $7,2 - 0,23 = \mathbf{6,97}$
(g) $2,99 - 0,03 = \mathbf{2,96}$
(h) $7,38 + 6,5 = \mathbf{13,88}$

4. Convert common fractions to decimal fractions.
[AppNum55A ; AppNum55B ; AppNum55E]

- (a) $12\frac{1}{5} = \mathbf{12,2}$
- (b) $46\frac{4}{10} = \mathbf{46,4}$
- (c) $\frac{156}{100} = \mathbf{1,56}$
- (d) $7\frac{9}{100} = \mathbf{7,09}$



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(e) $48\frac{22}{30} = 48,733$

(e) $51\frac{7}{8} = 51,875$

5. Multiplication. [2.3.6.1]

(a) $0,785 \times 10 = 7,85$

(b) $14,56 \times 10 = 145,6$

(c) $0,047 \times 100 = 4,7$

(d) $0,0125 \times 100 = 1,25$

(e) $6,45 \times 100 = 645$

6. Convert decimals to mixed fractions. [AppNum54B ; AppNum54C]

(a) $2,55 = 2\frac{11}{20}$

(b) $38,9 = 38\frac{9}{10}$

(c) $0,15 = \frac{3}{20}$

(d) $8,065 = 8\frac{13}{200}$

(e) $0,096 = \frac{12}{125}$

