



Printable Assessments CAMI Maths: Grade 8

Working with decimals

1. Complete the following table.

Fraction	Equivalent fraction($\frac{n}{100}$)	Decimal	Percentage
$\frac{2}{4}$			
$\frac{3}{4}$			
		0,8	
			35%
$\frac{3}{5}$			

2. Add <, > or =

2.1 $88,492 \square 87,035$

2.2 $\frac{320}{1000} \square \frac{15}{1000}$

2.3 $-49,875 \square -65,568$

3. Rounding off a decimal number.

3.1 4,2725 to 1 decimal place

3.2 12,0125 to 2 decimal places

3.3 99,9057 to 3 decimal places

4. Add and subtract decimal numbers.

4.1 $14,568 + 0,445 - 3,148$

4.2 $7 - 0,0012$



Printable Assessments CAMI Maths: Grade 8

4.3

$$\begin{array}{r} 15,0149 \\ + 7,1599 \\ \hline \\ \hline \end{array}$$

5. Multiply and divide decimals.

5.1 $0,00658 \times 100\ 000$

5.2 $12,568 \times 100$

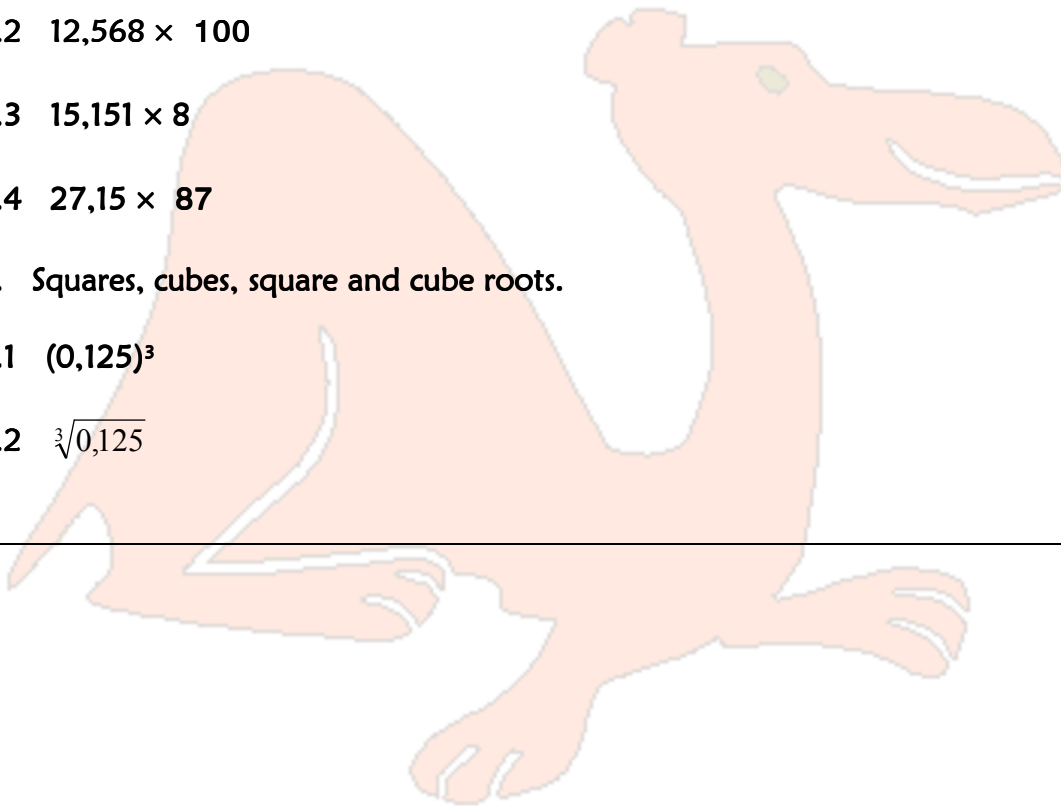
5.3 $15,151 \times 8$

5.4 $27,15 \times 87$

6. Squares, cubes, square and cube roots.

6.1 $(0,125)^3$

6.2 $\sqrt[3]{0,125}$





Printable Assessments CAMI Maths: Grade 8

MEMO

1. Complete the following table.

[2.3.5.10]

Fraction	Equivalent fraction($\frac{n}{100}$)	Decimal	Percentage
$\frac{2}{4}$	$\frac{50}{100}$	0,5	50%
$\frac{3}{4}$	$\frac{75}{100}$	0,75	75%
$\frac{4}{5}$	$\frac{80}{100}$	0,8	80%
$\frac{7}{20}$	$\frac{35}{100}$	0,35	35%
$\frac{3}{5}$	$\frac{60}{100}$	0,6	60%

2. Add <, > or =

[2.3.9.2; 2.3.9.3]

2.1 $88,492 > 87,035$

2.2 $\frac{320}{1000} > \frac{15}{1000}$

2.3 $-49,875 > -65,568$

3. Rounding off a decimal number.

[2.3.3.2]

3.1 $4,2725 \approx 4,3$

3.2 $12,0125 \approx 12,01$

3.3 $99,9057 \approx 99,906$



Printable Assessments CAMI Maths: Grade 8

4. Add and subtract decimal numbers. [2.3.4.4, 2.3.4.8, 2.3.4.9]

4.1 $14,568 + 0,445 - 3,148 = 11,865$

4.2 $7 - 0,0012 = 6,9988$

4.3

$$\begin{array}{r} 15,0149 \\ + 7,1599 \\ \hline 22,1748 \end{array}$$

5. Multiply and divide decimals. [2.3.6.2, 2.3.6.5, 2.3.6.8]

5.1 $0,00658 \times 100\,000 = 658$

5.2 $12,568 \times 100 = 1\,256,8$

5.3 $15,151 \times 8 = 121,208$

5.4 $27,15 \times 87 = 2\,362,05$

6. Squares, cubes, square and cube roots. [2.3.10]

6.1 $(0,125)^3$
 $= (0,125) \cdot (0,125) \cdot (0,125)$
 $= \frac{1}{8} \times \frac{1}{8} \times \frac{1}{8}$
 $= \frac{1}{512}$

6.2 $\sqrt[3]{0,125}$
 $= \sqrt[3]{\frac{1}{8}}$
 $= \frac{1}{2}$

