

Convert between fractions, decimals and percentages

Name: _____ Class: _____ Date: _____

Mark _____ / 12 _____ %

1) Convert to a decimal [2]

a) $\frac{7}{10}$

b) 35 %

2) Convert to a fraction, reduced to lowest terms [2]

a) 0.35

b) 37 %

3) Convert to a percentage [2]

a) $\frac{61}{100}$ %

b) 0.28 %

4) Order this list from smallest to largest

0.3

10%

2

$\frac{3}{4}$

smallest

largest

[1]

5) Order this list from smallest to largest

0.39

4%

$\frac{1}{5}$

0.12

smallest

largest

[1]

6) Complete the table

[1]

| Fraction | Decimal | Percentage |
|---------------|---------|------------|
| $\frac{1}{2}$ | | |
| | 0.25 | |
| | | 10% |

7) Complete the table

[1]

| Fraction | Decimal | Percentage |
|---------------|---------|------------|
| $\frac{1}{4}$ | | |
| | 0.3 | |
| | | 60% |

8) Complete the table

[1]

| Fraction | Decimal | Percentage |
|---------------|---------|------------|
| $\frac{1}{8}$ | | |
| | 0.45 | |
| | | 56% |

9) Complete the table

[1]

| Fraction | Decimal | Percentage |
|----------|---------|------------|
| 3 | 3 | |
| | 2.5 | |
| | | 260% |

Solutions for the assessment Convert between fractions, decimals and percentages

1) a) 0.7

b) 0.35

2) a) $\frac{7}{20}$

b) $\frac{37}{100}$

3) a) 61%

b) 28%

4) 10%, 0.3, $\frac{3}{4}$, 2

5) 4%, 0.12, $\frac{1}{5}$, 0.39

6) $\frac{1}{2}$, 0.5, 50 %

7) $\frac{1}{4}$, 0.25, 25 %

$\frac{1}{4}$, 0.25, 25

$\frac{3}{10}$, 0.3, 30 %

$\frac{1}{10}$, 0.1, 10 %

$\frac{3}{5}$, 0.6, 60 %

8) $\frac{1}{8}$, 0.125, 12.5 %

9) 3, 3, 300 %

$\frac{9}{20}$, 0.45, 45 %

$\frac{5}{2}$, 2.5, 250 %

$\frac{14}{25}$, 0.56, 56 %

$\frac{13}{5}$, 2.6, 260 %