





















# Foundations Full Test 1 Answers

What is the Fraction of the Shaded Area ?

- |  |   |
|--|---|
| 1)  $\frac{10}{12}$ | 6)  $\frac{3}{9}$  |
| 2)  $\frac{5}{9}$   | 7)  $\frac{2}{12}$ |
| 3)  $\frac{2}{9}$   | 8)  $\frac{2}{4}$  |
| 4)  $\frac{1}{7}$   | 9)  $\frac{8}{11}$ |
| 5)  $\frac{3}{6}$   | 10)  $\frac{2}{6}$ |

Shade the Figure with the Indicated Fraction.

- |   |   |
|---|---|
| 11)  $\frac{3}{8}$   | 16)  $\frac{3}{10}$    |
| 12)  $\frac{7}{9}$   | 17)  $\frac{7}{12}$    |
| 13)  $\frac{8}{9}$   | 18)  $\frac{7}{8}$     |
| 14)  $\frac{9}{12}$  | 19)  $\frac{2}{7}$     |
| 15)  $\frac{4}{6}$ | 20)  $\frac{10}{11}$ |

Converting Improper Fractions to Mixed Numbers

- |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|
| 1) $\frac{28}{8} = 3\frac{1}{2}$ | 2) $\frac{13}{3} = 4\frac{1}{3}$ | 3) $\frac{15}{4} = 3\frac{3}{4}$ |
| 4) $\frac{26}{4} = 6\frac{1}{2}$ | 5) $\frac{26}{6} = 4\frac{1}{3}$ | 6) $\frac{17}{4} = 4\frac{1}{4}$ |

Converting Mixed Numbers to Improper Fractions

- |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|
| 1) $6\frac{3}{7} = \frac{45}{7}$ | 2) $2\frac{1}{4} = \frac{9}{4}$  | 3) $8\frac{6}{7} = \frac{62}{7}$ |
| 4) $7\frac{1}{2} = \frac{15}{2}$ | 5) $7\frac{1}{2} = \frac{15}{2}$ | 6) $7\frac{3}{5} = \frac{38}{5}$ |

Equivalent Fractions

- 1)  $\frac{20}{25} = \frac{4}{5}$
- 2)  $\frac{4}{8} = \frac{1}{2}$
- 3)  $\frac{12}{36} = \frac{2}{6}$
- 4)  $\frac{1}{4} = \frac{5}{20}$
- 5)  $\frac{3}{4} = \frac{6}{8}$

Reducing Fractions

- 1)  $\frac{3}{6} = \frac{1}{2}$
- 2)  $\frac{40}{48} = \frac{5}{6}$
- 3)  $\frac{10}{14} = \frac{5}{7}$
- 4)  $\frac{7}{14} = \frac{1}{2}$
- 5)  $\frac{10}{70} = \frac{1}{7}$

Adding Simple Fractions

- 1)  $\frac{2}{9} + \frac{6}{9} = \frac{8}{9}$
- 2)  $\frac{2}{12} + \frac{3}{12} = \frac{5}{12}$
- 3)  $\frac{1}{8} + \frac{2}{8} = \frac{3}{8}$
- 4)  $\frac{4}{12} + \frac{6}{12} = \frac{10}{12}$
- 5)  $\frac{3}{11} + \frac{5}{11} = \frac{8}{11}$

Subtracting Simple Fractions

- 1)  $\frac{3}{5} - \frac{2}{5} =$
- 2)  $\frac{3}{9} - \frac{2}{9} =$
- 3)  $\frac{6}{10} - \frac{1}{10} =$
- 4)  $\frac{3}{7} - \frac{2}{7} =$
- 5)  $\frac{2}{8} - \frac{1}{8} =$

Adding Fractions

- 1)  $\frac{2}{3} + \frac{4}{5} = \frac{22}{15} = 1\frac{7}{15}$
- 2)  $\frac{5}{10} + \frac{1}{3} = \frac{5}{6}$

Subtracting Fractions

- 1)  $\frac{3}{4} - \frac{1}{2} = \frac{1}{4}$
  - 2)  $\frac{4}{5} - \frac{2}{4} = \frac{3}{10}$
- 1)  $\frac{2}{3} \times \frac{3}{4} = \frac{1\cancel{2} \times \cancel{3}1}{1\cancel{3} \times 4\cancel{2}} = \frac{1}{2}$
  - 2)  $\frac{4}{10} \div \frac{1}{4} = \frac{8}{5} = 1\frac{3}{5}$

Write the Correct Comparison Symbol

$$1) \frac{1}{3} \quad \boxed{<} \quad \frac{1}{2}$$

$$2) \frac{1}{4} \quad \boxed{<} \quad \frac{2}{4}$$

$$3) \frac{3}{4} \quad \boxed{>} \quad \frac{1}{4}$$

Working with fractions and whole numbers.

$$1) \text{ Find } \frac{4}{5} \text{ of } 200 = 160$$

$$2) \text{ Find } \frac{1}{10} \text{ of } 20 = 2$$

$$3) \text{ Find } \frac{4}{8} \text{ of } 288 = 144$$

$$\begin{array}{r} 57.78 \\ +88.64 \\ \hline 146.42 \end{array} \quad \begin{array}{r} 84.61 \\ - 27.88 \\ \hline 56.73 \end{array} \quad \begin{array}{r} 30.47 \\ +53.55 \\ \hline 84.02 \end{array} \quad \begin{array}{r} 61.65 \\ - 22.67 \\ \hline 38.98 \end{array} \quad \begin{array}{r} 98.67 \\ - 25.83 \\ \hline 72.84 \end{array}$$

$$\begin{array}{r} 11.8 \\ \times 28.3 \\ \hline 333.94 \end{array} \quad \begin{array}{r} 58.9 \\ \times 13.4 \\ \hline 789.26 \end{array}$$

$$4 \overline{)279.6} \quad 2 \overline{)101.8}$$

Write the Correct Comparison Symbol

$$1) 9.38 \quad \boxed{>} \quad 0.938$$

$$2) 4.65 \quad \boxed{>} \quad 4.6$$

$$3) 1.11 \quad \boxed{>} \quad 0.111$$

$$4) 2.1 \quad \boxed{>} \quad 0.21$$

$$5) 8.95 \quad \boxed{<} \quad 8.98$$

$$\begin{array}{r} 13.17 \\ \times 1000 \\ \hline 13170.00 \end{array} \quad \begin{array}{r} 43.58 \\ \times 100 \\ \hline 4358.00 \end{array} \quad \begin{array}{r} 32.47 \\ \times 10 \\ \hline 324.70 \end{array}$$

$$\begin{array}{r} 63.63 \\ \times 100 \\ \hline 6363.00 \end{array} \quad \begin{array}{r} 10.99 \\ \times 1000 \\ \hline 10990.00 \end{array} \quad \begin{array}{r} 75.63 \\ \times 10 \\ \hline 756.30 \end{array}$$

## Comprehension

### Something Special

1) B

2) C

3) D

4) B

5) B

### Holiday

1) C

2) D

3) C

4) B

5) B

6) C

7) C

### Antibacterial

### Soap

1) C

2) B

3) D

4) A

5) C

6) D

### Nouns

1) d

2) c

3) e

4) a

5) b

### Verbs

1) a

2) a

3) b

4) c

5) a

### Adjectives

1) c

2) d

3) a

4) d