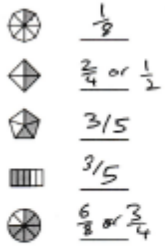
# 11+ Foundations 2

## Fractions Homework (1)

What is the Fraction of the Shaded Area?



$\frac{1}{8}$

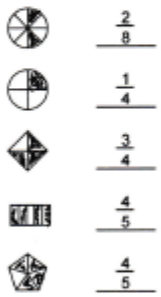
$\frac{2}{4}$ or $\frac{1}{2}$

$\frac{3}{5}$

$\frac{3}{5}$

$\frac{6}{8}$ or $\frac{3}{4}$

Shade the Figure with the Indicated Fraction



$\frac{2}{8}$

$\frac{1}{4}$

$\frac{3}{4}$

$\frac{4}{5}$

$\frac{4}{5}$

Equivalent Fractions

$\frac{3}{4} = \frac{18}{24}$

$\frac{1}{2} = \frac{4}{8}$

$\frac{1}{4} = \frac{6}{24}$

$\frac{4}{6} = \frac{20}{30}$

$\frac{2}{6} = \frac{6}{18}$

Lowest Terms (Reducing Fractions)

$\frac{6}{12} = \frac{1}{2}$

$\frac{8}{12} = \frac{2}{3}$

$\frac{20}{100} = \frac{1}{5}$

$\frac{40}{50} = \frac{4}{5}$

$\frac{21}{35} = \frac{3}{5}$

$\frac{10}{20} = \frac{1}{2}$

$\frac{20}{50} = \frac{2}{5}$

$\frac{2}{6} = \frac{1}{3}$

$\frac{5}{20} = \frac{1}{4}$

$\frac{9}{12} = \frac{3}{4}$

Converting Improper to Mixed Fractions

$\frac{10}{4} = 2\frac{2}{4}$ or $2\frac{1}{2}$

$\frac{11}{2} = 5\frac{1}{2}$

$\frac{22}{4} = 5\frac{2}{4}$ or $5\frac{1}{2}$

$\frac{12}{5} = 2\frac{2}{5}$

$\frac{64}{10} = 6\frac{4}{10} = 6\frac{2}{5}$

$\frac{11}{2} = 5\frac{1}{2}$

$\frac{29}{4} = 7\frac{1}{4}$

$\frac{17}{3} = 5\frac{2}{3}$

Converting Mixed to Improper Fractions

$6\frac{3}{4} = \frac{27}{4}$

$9\frac{2}{5} = \frac{47}{5}$

$7\frac{1}{2} = \frac{15}{2}$

$9\frac{2}{5} = \frac{47}{5}$

$9\frac{2}{3} = \frac{29}{3}$

$8\frac{1}{2} = \frac{17}{2}$

$9\frac{2}{3} = \frac{29}{3}$

$6\frac{3}{10} = \frac{63}{10}$

## Fractions Homework (2)

Adding Simple Fractions

$\frac{2}{8} + \frac{2}{8} = \frac{4}{8} = \frac{1}{2}$

$\frac{5}{11} + \frac{5}{11} = \frac{10}{11}$

$\frac{1}{12} + \frac{8}{12} = \frac{9}{12} = \frac{3}{4}$

$\frac{1}{6} + \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

1) $\frac{1}{3} + \frac{4}{5} = 1\frac{2}{15}$

$\frac{1}{3} = \frac{5}{15}$ $\quad \frac{4}{5} = \frac{12}{15}$

$\frac{5}{15} + \frac{12}{15} = \frac{17}{15} = 1\frac{2}{15}$

2) $\frac{1}{2} + \frac{3}{5} = 1\frac{2}{5}$

$\frac{1}{2} = \frac{5}{10}$ $\quad \frac{3}{5} = \frac{6}{10}$

$\frac{5}{10} + \frac{6}{10} = \frac{11}{10} = 1\frac{1}{10}$

3) $\frac{5}{10} + \frac{1}{2} = 1$

$\frac{5}{10} = \frac{5}{10}$

$\frac{1}{2} = \frac{5}{10}$

$\frac{5}{10} + \frac{5}{10} = \frac{10}{10} = 1$

Subtracting Simple Fractions

$\frac{5}{10} - \frac{1}{10} = \frac{4}{10}$

$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

$\frac{5}{9} - \frac{2}{9} = \frac{3}{9} = \frac{1}{3}$

$\frac{3}{10} - \frac{1}{10} = \frac{2}{10} = \frac{1}{5}$

1) $\frac{2}{5} - \frac{1}{3} = \frac{1}{3}$

$\frac{2}{5} = \frac{10}{15}$

$\frac{1}{3} = \frac{5}{15}$

$\frac{10}{15} - \frac{5}{15} = \frac{5}{15}$

$= \frac{1}{3}$

2) $\frac{4}{5} - \frac{3}{4} = \frac{1}{20}$

$\frac{4}{5} = \frac{16}{20}$ $\quad \frac{3}{4} = \frac{15}{20}$

$\frac{16}{20} - \frac{15}{20} = \frac{1}{20}$

3) $\frac{1}{2} - \frac{2}{5} = \frac{1}{10}$

$\frac{1}{2} = \frac{5}{10}$

$\frac{2}{5} = \frac{4}{10}$

$\frac{5}{10} - \frac{4}{10} = \frac{1}{10}$

## Adjectives

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Exercise 1

1) empty
2) hot
3) kind
4) crazy
5) clean, green
6) healthy
7) rotten
8) bored
9) amusing
10) absent, ill

Exercise 2

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1) sweet
2) hot
3) free
4) large
5) short
6) high
7) playful
8) poor

## All gone

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1) d
2) c
3) a
4) c
5) d
6) d

## Garden

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1) b
2) c
3) d
4) b
5) b
6) a
7) d
8) c

## Last name

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1) a
2) d
3) c
4) b
5) a
6) d

## Juniper

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1) a
2) a
3) a
4) d
5) c
6) c
7) b

## Fork

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1) a
2) d
3) c
4) a
5) b

## Cloze Twits

1)windows

2) another

3) heads

4) understand

5) thinking

6) catch

7) furniture

8) suggests

9) compressing

10) nowhere

11) moustache

12) convinced

13) mistreat

14) demolished