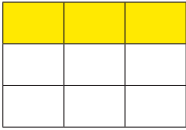
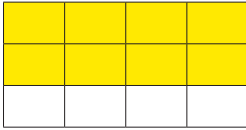

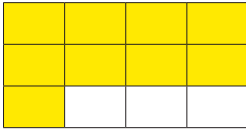

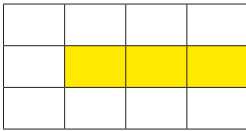


Student Worksheet 1 Solutions

TI-15 Explorer™: Fractions

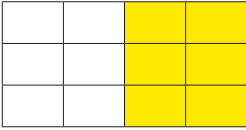
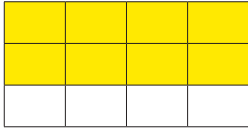
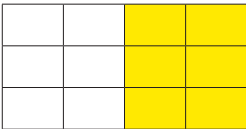
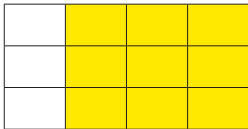
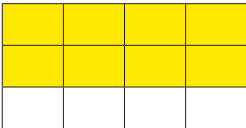
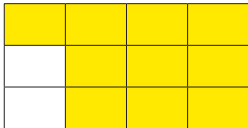
WS1

1. a)

	Part shaded		Part shaded
1. 	$\frac{3}{12} = \frac{1}{4}$	2. 	$\frac{8}{12} = \frac{2}{3}$
3. 	$\frac{6}{12} = \frac{1}{2}$	4. 	$\frac{9}{12} = \frac{3}{4}$
5. 	$\frac{7}{12}$	6. 	$\frac{3}{12} = \frac{1}{4}$

- b) 1. $\frac{3}{4}$
 2. $\frac{1}{3}$
 3. $\frac{1}{2}$
 4. $\frac{1}{4}$
 5. $\frac{5}{12}$
 6. $\frac{3}{4}$

2. a)

	Part shaded		Part shaded
1. $\frac{1}{2}$		2. $\frac{2}{3}$	
3. $\frac{6}{12}$		4. $\frac{3}{4}$	
5. $\frac{8}{12}$		6. $\frac{5}{6}$	

- b) 1. $\frac{1}{2}$
 2. $\frac{1}{3}$
 3. $\frac{1}{2}$
 4. $\frac{1}{4}$
 5. $\frac{1}{3}$
 6. $\frac{1}{6}$

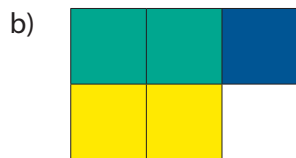
Student Worksheet 1 Solutions

TI-15 Explorer™: Fractions

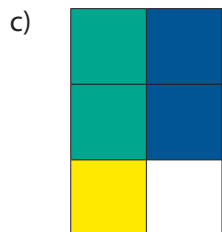
WS1



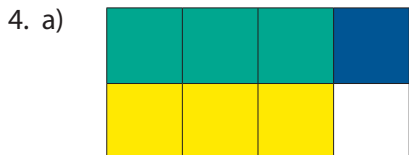
Answer: $\frac{1}{4}$



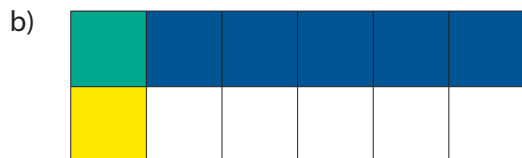
Answer: $\frac{2}{6} = \frac{1}{3}$



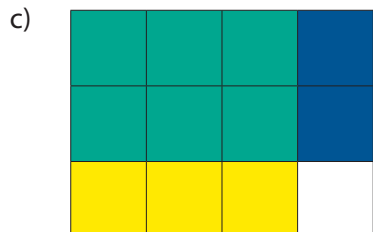
Answer: $\frac{2}{6} = \frac{1}{3}$



Answer: $\frac{3}{8}$



Answer: $\frac{1}{12}$



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

Student Worksheet 2 Solutions

TI-15 Explorer™: Fractions

WS2

1.

First fraction	Second fraction	Answer to first × second	Simplified fraction if possible
$\frac{1}{3}$	$\frac{3}{4}$	$\frac{3}{12}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{2}{3}$	$\frac{2}{12}$	$\frac{1}{6}$
$\frac{2}{3}$	$\frac{1}{5}$	$\frac{2}{15}$	
$\frac{1}{5}$	$\frac{2}{3}$	$\frac{2}{15}$	

2. i) $\frac{3}{20}$
ii) $\frac{10}{24} = \frac{5}{12}$
iii) $\frac{12}{40} = \frac{3}{10}$
iv) $\frac{24}{4} = 6$
v) $\frac{4}{9}$

Student Worksheet 3 Solutions

TI-15 Explorer™: Fractions

WS3

1.

First fraction	Second fraction	Answer to first × second	Simplified fraction if possible
$\frac{1}{3}$	$\frac{3}{1}$	$\frac{3}{3}$	1
$\frac{1}{4}$	$\frac{4}{1}$	$\frac{4}{4}$	1
$\frac{2}{3}$	$\frac{3}{2}$	$\frac{6}{6}$	1
$\frac{3}{2}$	$\frac{2}{3}$	$\frac{6}{6}$	1
$\frac{3}{4}$	$\frac{4}{3}$	$\frac{12}{12}$	1
$\frac{1}{5}$	$\frac{5}{1}$	$\frac{5}{5}$	1
$\frac{1}{2}$	$\frac{2}{1}$	$\frac{2}{2}$	1
$\frac{5}{4}$	$\frac{4}{5}$	$\frac{20}{20}$	1

- a) The second fraction is the same as the first except that the numerator and denominator have been swapped around.
- b) Answers will vary.

Student Worksheet 3 Solutions

TI-15 Explorer™: Fractions

WS3

2.

First fraction	Second fraction	Answer to first ÷ second	Simplified fraction if possible
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{3}{3}$	1
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{4}{4}$	1
$\frac{2}{3}$	$\frac{1}{5}$	$\frac{10}{3}$	
$\frac{1}{5}$	$\frac{2}{3}$	$\frac{3}{10}$	
$\frac{2}{5}$	$\frac{3}{2}$	$\frac{4}{15}$	
$\frac{3}{2}$	$\frac{2}{5}$	$\frac{15}{4}$	
$\frac{1}{2}$	3	$\frac{1}{6}$	
3	$\frac{1}{2}$	$\frac{6}{1}$	6

a) It's like multiplying the first fraction by the RECIPROCAL of the second.

b) $\frac{3}{4}$

c) Answers will vary.

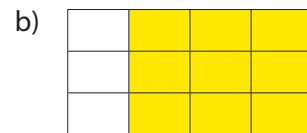
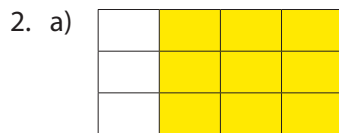
Assessment Task Solutions

TI-15 Explorer™: Area and Perimeter

ATS

1. a) $\frac{8}{12} = \frac{2}{3}$

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



3. a) $\frac{1}{3}$

b) $\frac{3}{4}$

c) $\frac{3}{5}$

d) $\frac{1}{3}$

4. a) 6

b) $\frac{2}{15}$

c) $\frac{2}{15}$

d) $\frac{10}{40} = \frac{1}{4}$

5. a) $\frac{1}{4}$

b) $\frac{1}{4}$

c) 4

d) 1