Fractions to Percentages

1. Tick the fractions that are equal to 30%.

$\frac{30}{10}$	$\frac{30}{100}$	$\frac{3}{100}$	$\frac{1}{10}$	$\frac{3}{10}$	$\frac{33}{100}$
☐	☐	☐	☐	☐	☐

D

VF
HW/Ext

2. Convert each fraction to a percentage.

$\frac{8}{10}$	$\frac{50}{100}$	$\frac{2}{10}$	$\frac{75}{100}$	$\frac{1}{10}$	$\frac{48}{100}$
%	%	%	%	%	%

D

VF
HW/Ext

3. Jerry says,

I think that 6% of the rectangle is shaded because 6 squares are shaded.

Explain his mistake.

D

RPS
HW/Ext

Fractions to Percentages

4. Tick the fractions that are equal to 40%.

$\frac{9}{20}$	$\frac{2}{5}$	$\frac{15}{50}$	$\frac{10}{25}$	$\frac{4}{10}$	$\frac{2}{4}$
☐	☐	☐	☐	☐	☐

E

VF
HW/Ext

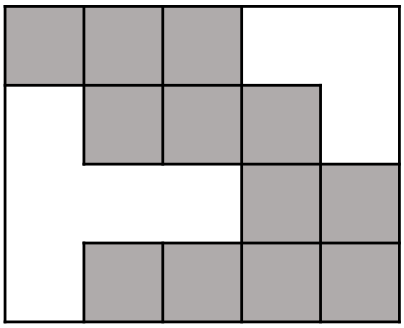
5. Convert each fraction to a percentage.

$\frac{8}{25}$	$\frac{4}{5}$	$\frac{36}{50}$	$\frac{9}{20}$	$\frac{2}{10}$	$\frac{1}{4}$
%	%	%	%	%	%

E

VF
HW/Ext

6. Jade says,



I think that 70% of the rectangle is shaded because $\frac{12}{20}$ converted to a percentage is 70%.

Explain her mistake.

E

RPS
HW/Ext

Fractions to Percentages

7. Tick the fractions that are equal to 60%.

$\frac{27}{45}$	$\frac{27}{36}$	$\frac{39}{65}$	$\frac{45}{60}$	$\frac{48}{80}$	$\frac{25}{40}$
☐	☐	☐	☐	☐	☐

GD

VF
HW/Ext

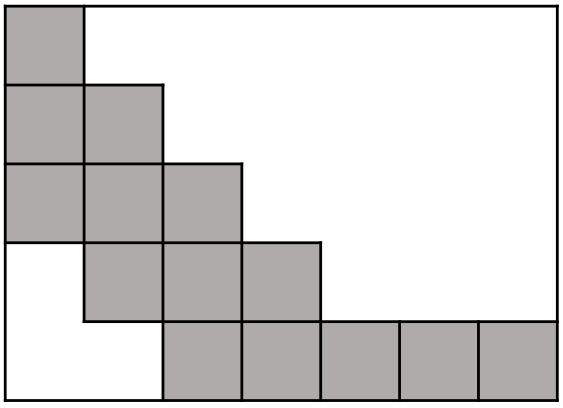
8. Convert each fraction to a percentage.

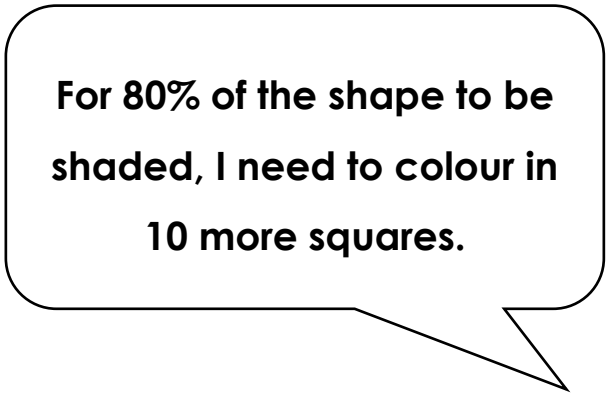
$\frac{13}{52}$	$\frac{18}{36}$	$\frac{22}{40}$	$\frac{28}{32}$	$\frac{35}{56}$	$\frac{18}{30}$
%	%	%	%	%	%

GD

VF
HW/Ext

9. Joe says,





Explain his mistake.

GD

RPS
HW/Ext

Homework/Extension
Fractions to Percentages

Developing

1. $\frac{3}{10}$ and $\frac{30}{100}$

2. 80%, 50%, 20%, 75%, 10%, 48%

3. Jerry has forgotten that a percentage is out of 100, so 60% is shaded because each small square is worth 10%, not 1%.

Expected

4. $\frac{2}{5}$, $\frac{10}{25}$ and $\frac{4}{10}$

5. 32%, 80%, 72%, 45%, 20%, 25%

6. Jade has incorrectly converted $\frac{12}{20}$ to 70%. If you divide the 12 and 20 by 4 then the equivalent fraction is $\frac{3}{5}$ which equals 60%.

Greater Depth

7. $\frac{27}{45}$, $\frac{39}{65}$ and $\frac{48}{80}$

8. 25%, 50%, 55%, 87.5%, 62.5%, 60%

9. Joe is incorrectly calculated the amount of squares he needs to shade. 14 of the 35 squares are shaded, which is 40% of the shape. To shade 80%, he needs to double the amount of squares shaded. Therefore, he must shade 14 more squares, not 10. $\frac{28}{35}$ is equal to 80%.