

Equivalent FDP

1. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages.

A. $\frac{1}{4} = 0.25 = 25\%$

B. $\frac{1}{2} = 0.05 = 50\%$

C. $\frac{2}{10} = 0.2 = 20\%$



VF
HW/Ext

2. Match the percentage to its equivalent decimal and fraction.

50%

0.5

$\frac{3}{4}$

75%

0.3

$\frac{1}{2}$

30%

0.75

$\frac{3}{10}$



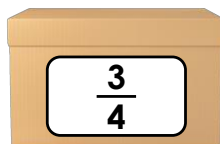
VF
HW/Ext

3. Marco is comparing the amount of oranges there are in the boxes below.

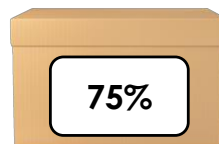
He says,



Box B contains the most oranges.



Box A



Box B



Box C

Is Marco correct? Explain your answer.



RPS
HW/Ext

Equivalent FDP

4. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages.

A. $\frac{4}{5} = 0.8 = 80\%$

B. $\frac{4}{10} = 0.4 = 40\%$

C. $\frac{5}{100} = 0.05 = 50\%$



VF
HW/Ext

5. Match the percentage to its equivalent decimal and fraction.

25%

0.6

$\frac{3}{5}$

60%

0.2

$\frac{2}{8}$

20%

0.25

$\frac{1}{5}$



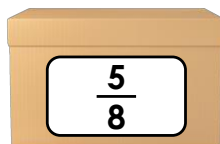
VF
HW/Ext

6. Jackson is comparing the amount of apples there are in the boxes below.

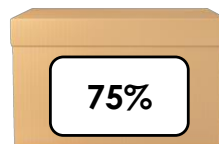
He says,



Box A contains the most apples.



Box A



Box B



Box C

Is Jackson correct? Explain your answer.



RPS
HW/Ext

Equivalent FDP

7. True or false? All the fractions below have been correctly converted to their equivalent decimals and percentages, and have been shown in their simplest form.

A. $\frac{13}{20} = 0.65 = 65\%$

B. $\frac{35}{100} = 0.35 = 35\%$

C. $\frac{4}{8} = 0.5 = 50\%$



VF
HW/Ext

8. Match the percentage to its equivalent decimal and fraction.

87.5%

0.375

$\frac{3}{20}$

37.5%

0.15

$\frac{7}{8}$

15%

0.875

$\frac{3}{8}$



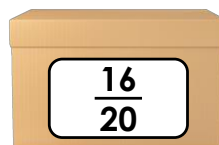
VF
HW/Ext

9. Katrina is comparing the amount of peaches there are in the boxes below.

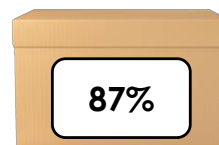
She says,



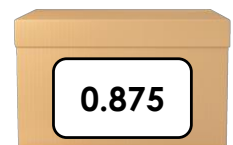
Only two boxes contain an equivalent amount of peaches to each other.



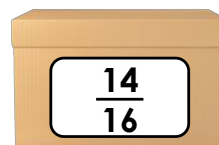
Box A



Box B



Box C



Box D



Box E

Is Katrina correct? Explain your answer.



RPS
HW/Ext

Homework/Extension

Equivalent FDP

Developing

1. False. B has not been converted correctly. $\frac{50}{100}$ (which can be simplified to $\frac{1}{2}$) is equivalent to 0.5, not 0.05.
2. 50%, 0.5, $\frac{1}{2}$; 75%, 0.75, $\frac{3}{4}$; 30%, 0.3, $\frac{3}{10}$.
3. Marco is incorrect. Box A and Box B both contain the same amount of oranges. This is because $75\% = 0.75 = \frac{3}{4}$. 0.75 and $\frac{3}{4}$ are greater than 0.7 so Box A and B contain more oranges than Box C.

Expected

4. False. C has not been converted correctly. $\frac{5}{100}$ is equivalent to 0.05, not 0.5.
5. 25%, 0.25, $\frac{2}{8}$; 60%, 0.6, $\frac{3}{5}$; 20%, 0.2, $\frac{1}{5}$.
6. Jackson is incorrect. Box B contains the most apples. This is because $75\% = 0.75 = \frac{3}{4}$. Box A has $\frac{5}{8} = 62.5\% = 0.625$ and Box C has $0.5 = 50\% = \frac{1}{2}$.

Greater Depth

7. False. Although all the fractions have been correctly converted, the fractions in B and C have not been simplified. B should be simplified to $\frac{7}{20}$ and C should be simplified to $\frac{1}{2}$.
8. 87.5%, 0.875, $\frac{7}{8}$; 37.5%, 0.375, $\frac{3}{8}$; 15%, 0.15, $\frac{3}{20}$.
9. Katrina is incorrect. Although Box A and Box E contain an equivalent amount of peaches, Box C and Box D also contain an equivalent amount to each other. This is because $\frac{16}{20}$ (which can be simplified to $\frac{4}{5}$) = 0.8 = 80%, and $\frac{14}{16}$ (which can be simplified to $\frac{7}{8}$) = 87.5% = 0.875.