Equivalent FDP

5a. Use the shaded part of the 100 square to write an equivalent fraction, decimal and percentage.	**5b.** Use the shaded part of the 100 square to write an equivalent fraction, decimal and percentage.

Equivalent FDP

6a. Fill in the missing numbers.

$$\frac{\square}{5} = \square = 60\%$$

6b. Fill in the missing numbers.

$$\frac{\square}{100} = \square = 11\%$$

7a. Convert the following decimals to their equivalent percentages and fractions.

Display each fraction in its simplest form.

A. 0.125

B. 0.2

C. 0.6

7b. Convert the following decimals to their equivalent percentages and fractions.

Display each fraction in its simplest form.

A. 0.375

B. 0.8

C. 0.48

8a. Which conversion is incorrect?

A. $\frac{7}{10} = 0.7$

B. $0.6 = 60\%$

C. $7\% = \frac{7}{10}$

8b. Which conversion is incorrect?

A. $\frac{7}{8} = 0.875$

B. $75\% = \frac{4}{5}$

C. $0.8 = \frac{80}{100}$

Equivalent FDP

Equivalent FDP

9a. Use the shaded part of the square to write an equivalent fraction, decimal and percentage.

Display your fraction in its simplest form.

VF

9b. Use the shaded part of the square to write an equivalent fraction, decimal and percentage.

Display your fraction in its simplest form.

VF

10a. Fill in the missing numbers and comparison symbol.

$$\frac{\square}{20} = \square = 85\% \qquad \square \quad \frac{4}{5} = \square = \square$$

VF

10b. Fill in the missing numbers and comparison symbol.

$$\frac{\square}{8} = \square = 75\% \qquad \square \quad \frac{13}{20} = \square = \square$$

VF

11a. David is playing a video game and has recorded his scores as decimals.

Help him to convert the following decimal numbers in order to work out his scores in percentages and fractions in their simplest form.

A. 0.375

B. 0.09

C. 0.35

VF

11b. Kyra is answering some questions in class.

Help her to convert the following decimal numbers in order to work out their equivalent percentages and fractions in their simplest form.

A. 0.03

B. 0.95

C. 0.12

VF

12a. Which conversion is incorrect?

A. $\frac{7}{20} = 0.35$

B. $0.875 = 87.5\%$

C. $7.5\% = \frac{75}{100}$

VF

12b. Which conversion is incorrect?

A. $\frac{3}{5} = 0.6$

B. $40\% = \frac{6}{20}$

C. $0.375 = 37.5\%$

VF

Equivalent FDP

4a. Millie says,

> If I eat 60% of my birthday cake, there will be three fifths, or 0.6 left.

Do you agree?

Explain why.

Equivalent FDP

4b. Saad says,

> If I eat 0.625 of my birthday cake, there will be three eighths, or 37.5% left.

Do you agree?

Explain why.

5a. Joshua scored 75% on his Maths test.

Briony got $\frac{3}{5}$ of her answers correct.

Verity expresses her result as a decimal, which is 0.8.

Who scored the highest?

Show your working out.

5b. Will scored 60% on his English test.

Kate got $\frac{5}{8}$ of her answers correct.

Holly expresses her result as a decimal, which is 0.6.
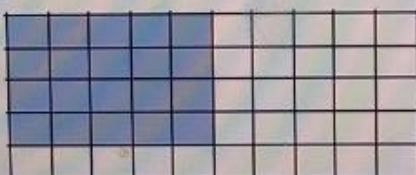
Who scored the highest?

Show your working out.

6a. Theo thinks that 20% of the squares are shaded.

Mia thinks that $\frac{2}{5}$ of the squares are shaded.

Jasmine thinks that 0.4 of the squares are shaded.
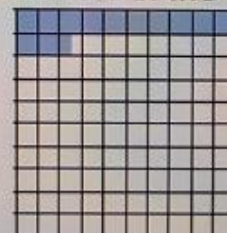
Who is correct? Explain your answer.

6b. Connie thinks that 12.5% of the squares are shaded.

George thinks that $\frac{3}{8}$ of the squares are shaded.

Alice thinks that 0.1 of the squares are shaded.

Who is correct? Explain your answer

Equivalent FDP

7a. Safeeyah says,

> Six fortieths of my cake has been eaten so there is 0.85 or 85% left.

Do you agree?

Explain why.

7b. Jacob says,

> Fourteen sixteenths of my cake has been eaten so there is 0.25 or 25% left.

Do you agree?

Explain why.

8a. Jack scored 60% on his music exam.

Scarlett scored 26 out of 40.

Isaac expresses his result as a decimal, which is 0.65.

Who scored the highest?

Show your working out.

8b. Megan scored 85% on her tap exam.

Nate scored 14 out of 16.

Mo expresses his result as a decimal, which is 0.875.

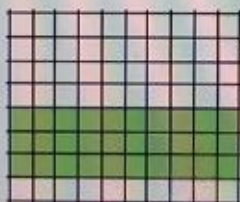Who scored the highest?

Show your working out.

9a. James thinks that 30% of the squares are shaded.

Sam thinks that $\frac{3}{10}$ of the squares are shaded.

Adam thinks that 0.375 of the squares are shaded.

Who is correct? Explain your answer.

9b. Isla thinks that 70% of the squares are shaded.

Ellie thinks that $\frac{9}{15}$ of the squares are shaded.

Hafsa thinks that 0.6 of the squares are shaded.

Who is correct? Explain your answer