

Equivalent FDP

1a. Maia says,



If I give 25% of my sweets to friends, there will be half, or 0.5 left.

Do you agree?

Explain why.



R

Equivalent FDP

1b. Frankie says,



If I give three tenths of my sweets to friends, there will be 70% or 0.7 left.

Do you agree?

Explain why.



R

2a. Kim ate 50% of her pizza.

Jane ate $\frac{7}{10}$ of her pizza.

Lucy ate 0.6 of her pizza.

Who ate the most of their pizza?

Show your working out.



PS

2b. Nile ate 75% of his pizza.

Max ate $\frac{3}{4}$ of his pizza.

James ate 0.7 of his pizza.

Who ate the most of their pizza?

Show your working out.

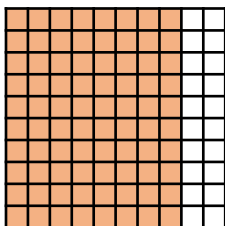


PS

3a. Morgan thinks that 80% of the squares are shaded.

Simone thinks that $\frac{3}{4}$ of the squares are shaded.

Grace thinks that 0.9 of the squares are shaded.



Who is correct? Explain your answer.

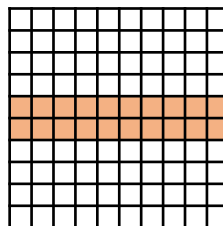


R

3b. Ellie thinks that 30% of the squares are shaded.

Becky thinks that $\frac{1}{4}$ of the squares are shaded.

Kelly thinks that 0.2 of the squares are shaded.



Who is correct? Explain your answer



R

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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.



R

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.



R

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.



PS

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.

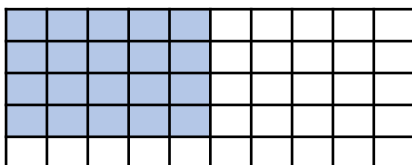


PS

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.

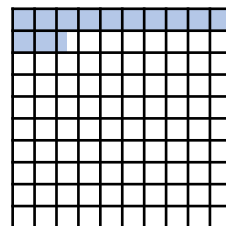


R

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



R

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7a. Safeeyah says,



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

Do you agree?

Explain why.



R

7b. Jacob says,



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

Do you agree?

Explain why.



R

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.



PS

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.

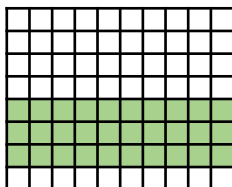


PS

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.

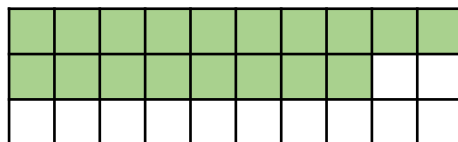


R

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



R