

Examples

Workout



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Question 1: Simplify fully

(a)  $\frac{2}{4}$     (b)  $\frac{6}{9}$     (c)  $\frac{6}{8}$     (d)  $\frac{5}{15}$     (e)  $\frac{4}{6}$     (f)  $\frac{9}{12}$

(g)  $\frac{10}{15}$     (h)  $\frac{9}{15}$     (i)  $\frac{8}{12}$     (j)  $\frac{10}{14}$     (k)  $\frac{15}{35}$     (l)  $\frac{6}{21}$

(m)  $\frac{18}{22}$     (n)  $\frac{16}{20}$     (o)  $\frac{9}{24}$     (p)  $\frac{20}{30}$     (q)  $\frac{8}{28}$     (r)  $\frac{300}{500}$

Question 2: Cancel down each fraction to its simplest form

(a)  $\frac{14}{35}$     (b)  $\frac{8}{64}$     (c)  $\frac{18}{24}$     (d)  $\frac{75}{100}$     (e)  $\frac{24}{80}$     (f)  $\frac{6}{42}$

(g)  $\frac{36}{66}$     (h)  $\frac{18}{45}$     (i)  $\frac{70}{120}$     (j)  $\frac{49}{56}$     (k)  $\frac{22}{110}$     (l)  $\frac{18}{72}$

(m)  $\frac{60}{140}$     (n)  $\frac{45}{135}$     (o)  $\frac{40}{360}$     (p)  $\frac{64}{100}$     (q)  $\frac{85}{35}$     (r)  $\frac{48}{36}$

Question 3: Simplify fully

(a)  $\frac{145}{225}$     (b)  $\frac{190}{570}$     (c)  $\frac{200}{288}$     (d)  $\frac{230}{495}$     (e)  $\frac{54}{333}$     (f)  $\frac{96}{123}$

Apply

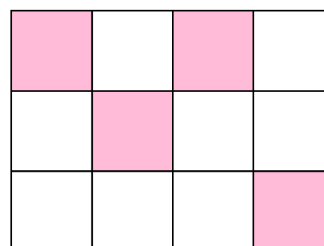
Question 1: Which fractions below are equivalent to  $\frac{2}{3}$ ?

$$\frac{4}{6} \quad \frac{6}{8} \quad \frac{8}{12} \quad \frac{9}{12} \quad \frac{10}{15}$$

Question 2: James says that  $\frac{1}{3}$  of the grid is shaded

Cara says  $\frac{4}{12}$  of the grid is shaded.

Explain how they are both correct.



Question 3: Given that  $5 \times 13 = 65$  and  $7 \times 13 = 91$  simplify fully  $\frac{65}{91}$

Question 4: Freddy has 40 cupcakes.  
20 of the cupcakes are chocolate.  
10 of the cupcakes are lemon.  
8 of the cupcakes are strawberry.  
The rest of the cupcakes are vanilla.

- (a) What fraction of the cupcakes are chocolate?  
Give the fraction in its simplest form.
- (b) What fraction of the cupcakes are lemon?  
Give the fraction in its simplest form.
- (c) What fraction of the cupcakes are strawberry?  
Give the fraction in its simplest form.
- (d) What fraction of the cupcakes are vanilla?  
Give the fraction in its simplest form.



Answers



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Question 5: There are 200 students in a primary school.  
80 students wear glasses.  
What fraction of the students wear glasses?  
Give the fraction in its simplest form.

Question 6: Sarah has £240 and she gives her mum £80.  
What fraction of the money does Sarah have left?  
Give the fraction in its simplest form.



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