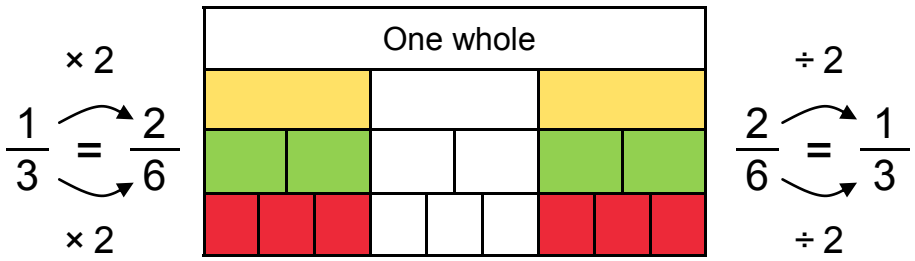
Alphareach
Learning Naturally!

Answers - Equivalent Fractions Book 3

Developing Fluency In Numeracy!



Answers to Equivalent Fractions Book 3

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Q1: a. The common multiplier is 3.

b. The equivalent fractions of half by multiplying. $\frac{1}{2} = \frac{2}{\mathbf{4}} = \frac{\mathbf{3}}{6} = \frac{4}{\mathbf{8}} = \frac{\mathbf{5}}{10} = \frac{10}{\mathbf{20}}$

Q2: a. $\frac{1}{2} \overset{\times 12}{=} \frac{12}{24}$ b. $\frac{2}{3} \overset{\times 12}{=} \frac{24}{36}$

c. $\frac{3}{4} \overset{\times 12}{=} \frac{36}{48}$ d. $\frac{4}{5} \overset{\times 12}{=} \frac{48}{60}$

e. $\frac{5}{6} \overset{\times 12}{=} \frac{60}{72}$

$\frac{1}{2} = \frac{\mathbf{12}}{24}$ $\frac{2}{3} = \frac{\mathbf{24}}{36}$ $\frac{3}{4} = \frac{36}{\mathbf{48}}$ $\frac{4}{5} = \frac{48}{\mathbf{60}}$ $\frac{5}{6} = \frac{\mathbf{60}}{72}$

Q3: a. $\frac{1}{2} = \frac{36}{72} = \frac{48}{96} = \frac{52}{100} = \frac{60}{120} = \frac{90}{180} = \frac{180}{360}$

b. $\frac{1}{4} = \frac{18}{72} = \frac{24}{96} = \frac{25}{100} = \frac{30}{120} = \frac{45}{180} = \frac{90}{360}$

c. $\frac{3}{4} = \frac{54}{72} = \frac{72}{96} = \frac{75}{100} = \frac{90}{120} = \frac{135}{180} = \frac{270}{360}$

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Q1: a. The common factor is 5.

b. The equivalent fractions by dividing. $\frac{10}{20} = \frac{5}{\mathbf{10}} = \frac{\mathbf{4}}{8} = \frac{3}{\mathbf{6}} = \frac{\mathbf{2}}{4} = \frac{1}{\mathbf{2}}$

Q2: a. $\frac{2}{20} \overset{\div 2}{=} \frac{1}{10}$ b. $\frac{4}{20} \overset{\div 4}{=} \frac{1}{5}$

c. $\frac{5}{20} \overset{\div 5}{=} \frac{1}{4}$ d. $\frac{10}{20} \overset{\div 10}{=} \frac{1}{2}$

e. $\frac{15}{30} \overset{\div 15}{=} \frac{1}{2}$

$\frac{2}{20} = \frac{\mathbf{1}}{10}$ $\frac{4}{20} = \frac{\mathbf{1}}{5}$ $\frac{5}{20} = \frac{1}{\mathbf{4}}$ $\frac{10}{20} = \frac{1}{\mathbf{2}}$ $\frac{15}{20} = \frac{\mathbf{1}}{2}$

Q3: a. $\frac{2}{10} = \frac{1}{5}$ b. $\frac{5}{10} = \frac{1}{2}$ c. $\frac{10}{10} = \frac{1}{1}$

d. $\frac{20}{100} = \frac{1}{5}$ e. $\frac{50}{100} = \frac{1}{2}$ f. $\frac{10}{100} = \frac{1}{10}$

g. $\frac{200}{1000} = \frac{1}{5}$ h. $\frac{500}{1000} = \frac{1}{2}$ i. $\frac{100}{1000} = \frac{1}{10}$

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Q1: a. The whole circle will equal to 60 min/1 hour.

b. i. $\frac{3}{12} \overset{\times 5}{=} \frac{15}{60}$ ii. $\frac{6}{12} \overset{\times 5}{=} \frac{30}{60}$ iii. $\frac{9}{12} \overset{\times 5}{=} \frac{45}{60}$

Q2: a. $\frac{10}{60} \overset{\div 10}{=} \frac{1}{6}$ b. $\frac{30}{60} \overset{\div 30}{=} \frac{1}{2}$

c. $\frac{15}{60} \overset{\div 15}{=} \frac{1}{4}$ d. $\frac{45}{60} \overset{\div 15}{=} \frac{3}{4}$

e. $\frac{1}{6} = \frac{6}{36} = \frac{3}{18} = \frac{12}{72} = \frac{10}{60} = \frac{15}{90} = \frac{30}{180} = \frac{60}{360}$

f. $\frac{1}{12} = \frac{2}{24} = \frac{3}{36} = \frac{4}{48} = \frac{5}{60} = \frac{6}{72} = \frac{15}{180} = \frac{30}{360}$

Q3: a. $\frac{5}{10}$ b. $\frac{15}{30}$

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Q2: a. $\frac{15}{30} \overset{\div 15}{=} \frac{1}{2}$ b. $\frac{15}{45} \overset{\div 15}{=} \frac{1}{3}$

c. $\frac{15}{60} \overset{\div 15}{=} \frac{1}{4}$ d. $\frac{15}{90} \overset{\div 15}{=} \frac{1}{6}$

e. $\frac{2}{3} = \frac{24}{36} = \frac{12}{18} = \frac{48}{72} = \frac{40}{60} = \frac{60}{90} = \frac{120}{180} = \frac{240}{360}$

f. $\frac{3}{4} = \frac{18}{24} = \frac{27}{36} = \frac{36}{48} = \frac{45}{60} = \frac{54}{72} = \frac{135}{180} = \frac{270}{360}$

Q3: Less than $\frac{1}{2}$: $\frac{25}{60}$ $\frac{40}{90}$ $\frac{49}{100}$ $\frac{55}{120}$ $\frac{45}{100}$ $\frac{15}{36}$

Greater than $\frac{1}{2}$: $\frac{17}{20}$ $\frac{24}{28}$ $\frac{13}{24}$ $\frac{100}{180}$ $\frac{64}{120}$

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Q1: a. One sector is equal to 5 minutes.

b. i. $\frac{2}{12} \overset{\times 5}{=} \frac{10}{60}$ ii. $\frac{4}{12} \overset{\times 5}{=} \frac{20}{60}$ iii. $\frac{8}{12} \overset{\times 5}{=} \frac{40}{60}$

Q2: a. $\frac{20}{60} \overset{\div 20}{=} \frac{1}{3}$ b. $\frac{40}{60} \overset{\div 20}{=} \frac{2}{3}$

c. $\frac{12}{60} \overset{\div 12}{=} \frac{1}{5}$ d. $\frac{48}{60} \overset{\div 12}{=} \frac{4}{5}$

e. $\frac{5}{6} = \frac{15}{18} = \frac{30}{36} = \frac{45}{54} = \frac{60}{72} = \frac{75}{90} = \frac{150}{180} = \frac{300}{360}$

f. $\frac{5}{9} = \frac{10}{18} = \frac{20}{36} = \frac{30}{54} = \frac{40}{72} = \frac{50}{90} = \frac{100}{180} = \frac{200}{360}$

Q3: a. $\frac{10}{40}$ b. $\frac{25}{100}$

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Q1: The whole of the grid should be coloured in the four different parts to reflect the given fractions.

Q2: a. $\frac{12}{30} \overset{\div 6}{=} \frac{2}{5}$ b. $\frac{12}{45} \overset{\div 3}{=} \frac{4}{15}$

c. $\frac{12}{60} \overset{\div 12}{=} \frac{1}{5}$ d. $\frac{12}{90} \overset{\div 6}{=} \frac{2}{15}$

e. $\frac{1}{3} = \frac{12}{36} = \frac{6}{18} = \frac{24}{72} = \frac{20}{60} = \frac{30}{90} = \frac{60}{180} = \frac{120}{360}$

f. $\frac{5}{12} = \frac{10}{24} = \frac{15}{36} = \frac{20}{48} = \frac{25}{60} = \frac{40}{96} = \frac{75}{180} = \frac{150}{360}$

Q3: Less than $\frac{1}{4}$: $\frac{2}{24}$ $\frac{10}{60}$ $\frac{20}{120}$ $\frac{20}{100}$ $\frac{45}{200}$

Greater than $\frac{1}{4}$: $\frac{17}{20}$ $\frac{24}{28}$ $\frac{40}{90}$ $\frac{30}{100}$ $\frac{100}{200}$ $\frac{15}{36}$

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Q1: b. i. $\frac{1}{6}$ ii. $\frac{1}{12}$ iii. $\frac{1}{24}$

Q1: c. i. 60^0 ii. 30^0 iii. 15^0

Q2: a. $\frac{10}{50} \overset{\div 10}{=} \frac{1}{5}$ b. $\frac{30}{50} \overset{\div 10}{=} \frac{3}{5}$

c. $\frac{15}{50} \overset{\div 5}{=} \frac{3}{10}$ d. $\frac{45}{50} \overset{\div 5}{=} \frac{3}{10}$

e. $\frac{4}{5} = \frac{28}{35} = \frac{40}{50} = \frac{48}{60} = \frac{60}{75} = \frac{80}{100} = \frac{144}{180} = \frac{288}{360}$

f. $\frac{4}{7} = \frac{20}{35} = \frac{28}{49} = \frac{36}{63} = \frac{32}{56} = \frac{40}{70} = \frac{48}{84} = \frac{60}{105}$

Q3: a. $\frac{10}{50}$ b. $\frac{4}{20}$

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Q1: The whole of the grid should be coloured in the four different parts to reflect the given fractions.

Q2: a. $\frac{20}{30} \overset{\div 10}{=} \frac{2}{3}$ b. $\frac{20}{45} \overset{\div 5}{=} \frac{4}{9}$

c. $\frac{20}{60} \overset{\div 20}{=} \frac{1}{3}$ d. $\frac{20}{90} \overset{\div 10}{=} \frac{2}{9}$

e. $\frac{1}{8} = \frac{4}{32} = \frac{5}{40} = \frac{8}{72} = \frac{7}{56} = \frac{10}{80} = \frac{20}{160} = \frac{30}{240}$

f. $\frac{1}{15} = \frac{2}{30} = \frac{3}{45} = \frac{4}{60} = \frac{5}{75} = \frac{6}{90} = \frac{10}{150} = \frac{7}{105}$

Q3: Less than $\frac{1}{3}$: $\frac{6}{21}$ $\frac{19}{60}$ $\frac{20}{90}$ $\frac{30}{100}$ $\frac{50}{200}$ $\frac{25}{80}$

Greater than $\frac{1}{3}$: $\frac{15}{21}$ $\frac{9}{24}$ $\frac{50}{120}$ $\frac{20}{30}$ $\frac{15}{36}$

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Q1: a. $\frac{1}{2}$ b. $\frac{1}{2}$ c. $\frac{1}{8}$

Q2: a. 2 quarters = $\frac{1}{2}$ b. 4 eighths = $\frac{1}{2}$

c. 2 eighths = $\frac{1}{4}$

d. Fractions in order : $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$

e. Three quarters is closer to one whole.

f. i. $\frac{1}{2} > \frac{1}{4}$ ii. $\frac{1}{8} < \frac{1}{4}$ iii $\frac{2}{8} = \frac{1}{4}$ iv. $\frac{3}{4} > \frac{5}{8}$

g. i. 2 Halves make one whole. Split in 2 parts.

ii. 4 quarters make 1 whole. Its split in 4 parts.

iii. 8 eighths make 1 whole. Its split in 8 parts.

iv. 4 two-eighths make 1 whole. Its split in 8 parts.

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Q1: Own answer.

Q2: a. $\frac{8}{12} < \frac{3}{4}$ b. $\frac{9}{12} = \frac{3}{4}$.

Comparing fractions: $\frac{1}{2}$ $\frac{1}{6}$ $\frac{1}{4}$

Step 1: The LCD for 2, 4 and 6 is **12**.

Step 2: $\frac{1}{2} = \frac{6}{12}$ $\frac{1}{6} = \frac{2}{12}$ $\frac{1}{4} = \frac{3}{12}$

Step 3: Rewrite the fraction in order from smallest to largest. $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{2}$

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Q1: a. $\frac{3}{8}$ b. $\frac{5}{16}$ c. $\frac{3}{8}$

Q2: a. 4 quarters = 1 whole b. 3 thirds = 1 whole

c. 2 halves = 1 whole

d. Fractions in order : $\frac{3}{4}$ $\frac{2}{3}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

e. 2 thirds and one third is closer to half.

f. i. $\frac{1}{2} < \frac{3}{4}$ ii. $\frac{2}{3} > \frac{1}{4}$ iii $\frac{3}{4} > \frac{2}{3}$ iv. $\frac{2}{4} = \frac{1}{2}$

g. i. 3 thirds make one whole. Split in 3 parts.

ii. 4 quarters make 1 whole. Its split in 4 parts.

iii. 2 quarters make 1 half. Its split in 4 parts.

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Q1: Own answer.

Q2: a. $\frac{2}{3} < \frac{3}{4}$ b. $\frac{5}{6} > \frac{3}{4}$

Comparing fractions: $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

Step 1: The LCD for 2, 3 and 4 is **12**.

Step 2: $\frac{1}{2} = \frac{6}{12}$ $\frac{1}{3} = \frac{4}{12}$ $\frac{1}{4} = \frac{3}{12}$

Step 3: Rewrite the fraction in order from largest to smallest. $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

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Q1: a. $\frac{4}{10} = \frac{2}{5}$ b. $\frac{2}{27}$ c. $\frac{2}{16} = \frac{1}{8}$

Q2: a. 6 sixths = 1 whole b. 3 thirds = 1 whole

c. 9 ninths = One whole.

d. Fractions in order : $\frac{2}{3}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{9}$

e. Two thirds is closer to one whole.

f. i. $\frac{1}{2} = \frac{3}{6}$ ii. $\frac{2}{3} > \frac{2}{6}$ iii $\frac{4}{6} = \frac{6}{9}$ iv. $\frac{5}{9} < \frac{5}{6}$

g. i. 3 two sixths make 1 whole.

ii. 2 three sixths make 1 whole.

iii. 3 three ninths make 1 whole.

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Q1: Own answer.

Q2: a. $\frac{2}{3} > \frac{3}{5}$ b. $\frac{3}{6} > \frac{3}{9}$

Comparing fractions: $\frac{1}{2}$ $\frac{3}{4}$ $\frac{2}{5}$

Step 1: The LCD for 2, 4 and 5 is **20**.

Step 2: $\frac{1}{2} = \frac{10}{20}$ $\frac{3}{4} = \frac{15}{20}$ $\frac{2}{5} = \frac{8}{20}$

Step 3: Rewrite the fraction in order from smallest to largest. $\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{4}$

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Q1: a. $\frac{4}{8} = \frac{1}{2}$ b. $\frac{4}{10} = \frac{2}{5}$ c. $\frac{4}{12} = \frac{1}{3}$

Q2: b. 5 fifths = 1 whole c. 10 tenths = 1 whole

d. 5 tenths = 1 half e. 5 two tenths = 1 whole

f. 3 fifths is closer to one

g. Fractions in order : $\frac{1}{10}$ $\frac{1}{5}$ $\frac{4}{10}$ $\frac{1}{2}$ $\frac{3}{5}$

h. i. $\frac{1}{2} < \frac{3}{5}$ ii. $\frac{2}{5} = \frac{4}{10}$ iii $\frac{4}{5} = \frac{8}{10}$ iv. $\frac{3}{10} < \frac{1}{2}$

i. Smallest fraction i. $\frac{5}{10}$ ii $\frac{3}{10}$ iii. $\frac{2}{10}$

Greatest fraction i. $\frac{4}{5}$ ii $\frac{4}{5}$ iii. $\frac{1}{2}$

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Q1: Own answer.

Q2: a. $\frac{1}{2}$ $\frac{1}{6}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{2}{3}$

Step 1: The LCD for 2, 3, 4 and 6 is **12**.

Step 2: $\frac{1}{2} = \frac{6}{12}$ $\frac{1}{6} = \frac{2}{12}$ $\frac{3}{4} = \frac{9}{12}$ $\frac{5}{6} = \frac{10}{12}$ $\frac{2}{3} = \frac{8}{12}$

Step 3: Rewrite the fraction in order from smallest to largest. $\frac{1}{6}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$

Q2: b. $\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{5}$ $\frac{3}{10}$ $\frac{2}{5}$

Step 1: The LCD for 2, 4, 5 and 10 is **20**.

Step 2: $\frac{1}{2} = \frac{10}{20}$ $\frac{1}{4} = \frac{5}{20}$ $\frac{3}{5} = \frac{12}{20}$ $\frac{3}{10} = \frac{6}{20}$ $\frac{2}{5} = \frac{8}{20}$

Step 3: Rewrite the fraction in order from smallest to largest. $\frac{1}{4}$ $\frac{3}{10}$ $\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{5}$

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Q2: c. $\frac{1}{2}$ $\frac{2}{3}$ $\frac{5}{9}$ $\frac{5}{6}$ $\frac{2}{9}$

Step 1: The LCD for 2, 3, 6 and 9 is **18**.

Step 2: $\frac{1}{2} = \frac{9}{18}$ $\frac{2}{3} = \frac{12}{18}$ $\frac{5}{9} = \frac{10}{18}$

Step 2: $\frac{5}{6} = \frac{15}{18}$ $\frac{2}{9} = \frac{4}{18}$

Step 3: Rewrite the fraction in order from smallest to largest. $\frac{2}{9}$ $\frac{1}{2}$ $\frac{5}{9}$ $\frac{2}{3}$ $\frac{5}{6}$

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Q1: a. $\frac{2}{6} = \frac{1}{3}$ b. $\frac{2}{8} = \frac{1}{4}$ c. $\frac{2}{10} = \frac{1}{5}$

Q2: a. $\frac{200}{500} = \frac{2}{5}$ Strawberry

b. $\frac{300}{500} = \frac{3}{5}$ Chocolate c. $\frac{150}{200} = \frac{3}{4}$ Strawberry

Q3: a. $\frac{20}{100} = \frac{1}{5}$ b. $\frac{200}{1000} = \frac{1}{5}$ c. $\frac{40}{100} = \frac{2}{5}$

d. $\frac{400}{1000} = \frac{2}{5}$ e. $\frac{600}{1000} = \frac{3}{5}$ f. $\frac{12}{60} = \frac{1}{5}$

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Q1: a. $\frac{2}{60} = \frac{1}{30}$ One pence b. $\frac{8}{60} = \frac{2}{15}$ Two pence

c. $\frac{50}{60} = \frac{5}{6}$ Fifty pence

Q2: a. $\frac{1}{4}$ Grapes b. $\frac{1}{2}$ Apples

c. $\frac{1}{8}$ Melon d. $\frac{1}{8}$ Orange

Q3: a. $\frac{8}{24} = \frac{1}{3}$ b) $\frac{16}{48} = \frac{1}{3}$ c. $\frac{6}{24} = \frac{1}{4}$

d. $\frac{12}{48} = \frac{1}{4}$ e. $\frac{30}{60} = \frac{1}{2}$ f. $\frac{90}{180} = \frac{1}{2}$

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Q1: a. $\frac{3}{8}$ b. $\frac{3}{12} = \frac{1}{4}$ c. $\frac{3}{10}$

Q2: a. $\frac{9}{28}$ Green b. $\frac{7}{28} = \frac{1}{4}$ Blue

c. $\frac{12}{28} = \frac{3}{7}$ Plain

Q3: a. $\frac{25}{100} = \frac{1}{4}$ b. $\frac{250}{1000} = \frac{1}{4}$ c. $\frac{75}{100} = \frac{3}{4}$

d. $\frac{750}{1000} = \frac{3}{4}$ e. $\frac{125}{1000} = \frac{1}{8}$ f. $\frac{90}{360} = \frac{1}{4}$

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Q1: a. $\frac{15}{75} = \frac{1}{5}$ Five pence b. $\frac{20}{75} = \frac{4}{15}$ Ten pence

c. $\frac{40}{75} = \frac{8}{15}$ Twenty pence

Q2: a. $\frac{3}{8}$ Cucumber b. $\frac{1}{4}$ Apples

c. $\frac{1}{4}$ Cheese d. $\frac{1}{8}$ Olive

Q3: a. $\frac{5}{10} = \frac{1}{2}$ and $\frac{50}{100} = \frac{1}{2}$

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Q3: b. $\frac{2}{10} = \frac{1}{5}$ and $\frac{20}{100} = \frac{1}{5}$

c. $\frac{25}{100} = \frac{1}{4}$ and $\frac{250}{1000} = \frac{1}{4}$

d. $\frac{75}{100} = \frac{3}{4}$ and $\frac{750}{1000} = \frac{3}{4}$

e. $\frac{30}{60} = \frac{1}{2}$ $\frac{45}{90}$ $\frac{60}{120}$ $\frac{180}{360}$

f. $\frac{20}{60} = \frac{1}{3}$ $\frac{30}{90}$ $\frac{40}{120}$ $\frac{120}{360}$

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Q1: a. $\frac{6}{24} = \frac{1}{4}$ b. $\frac{12}{24} = \frac{1}{2}$

Q2: a. $\frac{20}{48} = \frac{5}{12}$ Red roses

b. $\frac{12}{48} = \frac{1}{4}$ Pink roses c. $\frac{16}{48} = \frac{1}{3}$ White roses

d. $\frac{32}{48} = \frac{2}{3}$ Scented roses

Q3: a. $\frac{75}{100} = \frac{3}{4}$ b. $\frac{750}{1000} = \frac{3}{4}$ c. $\frac{75}{100} = \frac{3}{4}$

d. $\frac{750}{2000} = \frac{3}{8}$ e. $\frac{500}{2000} = \frac{1}{4}$ f. $\frac{270}{360} = \frac{3}{4}$

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Q1: a. $\frac{10}{100} = \frac{1}{10}$ Five pence b. $\frac{40}{100} = \frac{2}{5}$ Ten pence

c. $\frac{50}{100} = \frac{1}{2}$ Fifty pence

Q2: a. $\frac{1}{2}$ Comprehension b. $\frac{1}{4}$ Essay

c. $\frac{1}{4}$ Spelling

Q3: a. $\frac{1}{2}$ b. $\frac{1}{4}$ c. $\frac{1}{4}$ d. $\frac{3}{4}$ e. $\frac{1}{4}$

f. $\frac{1}{3}$ g. $\frac{3}{4}$ h $\frac{1}{4}$ i. $\frac{1}{2}$ j $\frac{2}{3}$

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Q1: a. $\frac{2}{8} = \frac{1}{4}$ b. $\frac{6}{21} = \frac{2}{7}$

Q2: a. $\frac{10}{40}$ Stripped b. $\frac{6}{40} = \frac{3}{20}$ Dotted

c. $\frac{24}{40} = \frac{3}{5}$ Plain

Q3: a. $\frac{25}{200} = \frac{1}{8}$ b. $\frac{250}{2000} = \frac{1}{8}$ c. $\frac{75}{200} = \frac{3}{8}$

d. $\frac{1000}{3000} = \frac{1}{3}$ e. $\frac{500}{2500} = \frac{1}{5}$ f. $\frac{60}{180} = \frac{1}{3}$

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Q1: a. $\frac{80}{150} = \frac{8}{15}$ Twenty pence b. $\frac{20}{150} = \frac{2}{15}$ Ten pence

c. $\frac{50}{150} = \frac{1}{3}$ Fifty pence

Q2: a. $\frac{3}{8}$ Mental Maths b. $\frac{1}{8}$ Area

c. $\frac{1}{4}$ Algebra d. $\frac{1}{4}$ Fraction

Q3: b. $\frac{50}{150} = \frac{1}{3}$ c. $\frac{25}{150} = \frac{1}{6}$

d. $\frac{35}{150} = \frac{7}{30}$ e. $\frac{40}{150} = \frac{4}{15}$

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Q1: a. $\frac{2}{10} = \frac{1}{5}$ b. $\frac{4}{44} = \frac{1}{11}$ c. $\frac{8}{24} = \frac{1}{3}$

Q2: a. $\frac{1}{2} = \frac{15}{30}$ b. $\frac{1}{3} = \frac{15}{45}$ c. $\frac{1}{4} = \frac{15}{60}$

d. $\frac{1}{6} = \frac{15}{90}$ e. $\frac{1}{8} = \frac{15}{120}$ f. $\frac{1}{2} = \frac{25}{50}$

g. $\frac{1}{3} = \frac{25}{75}$ h. $\frac{1}{4} = \frac{25}{100}$ i. $\frac{1}{6} = \frac{25}{150}$

j. $\frac{1}{8} = \frac{25}{200}$ k. $\frac{1}{2} = \frac{12}{24}$ l. $\frac{1}{3} = \frac{12}{36}$

m. $\frac{1}{4} = \frac{12}{48}$ n. $\frac{1}{6} = \frac{12}{72}$ o. $\frac{1}{8} = \frac{12}{96}$

Q3. a. $\frac{1}{2} = \frac{15}{30} = \frac{25}{50} = \frac{36}{72} = \frac{45}{90} = \frac{60}{120} = \frac{70}{140} = \frac{75}{150} = \frac{180}{360}$

b. $\frac{1}{3} = \frac{15}{45} = \frac{20}{60} = \frac{24}{72} = \frac{25}{75} = \frac{40}{120} = \frac{70}{210} = \frac{90}{270} = \frac{120}{360}$

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Q1: $\frac{25}{100} = \frac{\mathbf{1}}{4} = \frac{\mathbf{250}}{1000}$ $\frac{50}{100} = \frac{\mathbf{1}}{2} = \frac{\mathbf{500}}{1000}$

$\frac{75}{100} = \frac{\mathbf{3}}{4} = \frac{\mathbf{750}}{1000}$ $\frac{20}{100} = \frac{\mathbf{1}}{5} = \frac{\mathbf{200}}{1000}$

Q2: $\frac{1}{5} = \frac{20}{100} = \frac{\mathbf{200}}{1000}$ $\frac{2}{5} = \frac{\mathbf{40}}{100} = \frac{\mathbf{400}}{1000}$

$\frac{3}{5} = \frac{\mathbf{60}}{100} = \frac{\mathbf{600}}{1000}$ $\frac{4}{5} = \frac{\mathbf{80}}{100} = \frac{\mathbf{800}}{1000}$

Q3: a. $\frac{90}{300} = \frac{3}{10}$ b. $\frac{900}{3000} = \frac{3}{10}$

c. $\frac{90}{300} = \frac{3}{10}$ d. $\frac{900}{3000} = \frac{3}{10}$

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Q1: a. i. $\frac{10}{12} > \frac{3}{4}$ ii. $\frac{5}{12} < \frac{3}{4}$ iii. $\frac{9}{12} = \frac{3}{4}$

b. $\frac{2}{6}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$

Q2: a. i. $\frac{10}{15} > \frac{3}{5}$ ii. $\frac{5}{15} = \frac{1}{3}$ iii. $\frac{9}{15} = \frac{3}{5}$

b. $\frac{1}{6}$ $\frac{1}{3}$ $\frac{3}{6}$ $\frac{3}{5}$ $\frac{2}{3}$

Q3: a. $\frac{1}{2} = \frac{2}{4}$ b. $\frac{1}{2} < \frac{3}{4}$ c. $\frac{3}{5} < \frac{3}{4}$

d. $\frac{2}{3} < \frac{3}{4}$ e. $\frac{2}{3} = \frac{6}{9}$ f. $\frac{2}{5} > \frac{2}{10}$

g. $\frac{1}{2} > \frac{3}{8}$ h. $\frac{2}{6} = \frac{1}{3}$ i. $\frac{1}{6} < \frac{1}{3}$

j. $\frac{4}{8} = \frac{3}{6}$

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