Answers: Introduction to numerical fractions

Donald Campbell

Summary

Answers to questions relating to the guide on the introduction to numerical fractions.

These are the answers to Questions: Introduction to numerical fractions.

Please attempt the questions before reading these answers!

Q1

1.1. $\frac{2}{5}$

1.2. $\frac{7}{8}$

1.3. $\frac{3}{4}$

1.4. $\frac{1}{6}$

1.5. $1\frac{1}{4}$ or $\frac{5}{4}$

1.6. $\frac{6}{10}$ or $\frac{3}{5}$

1.7. $1\frac{1}{3}$ or $\frac{4}{3}$

1.8. $\frac{9}{16}$

1.9. $2\frac{3}{4}$ or $\frac{11}{4}$

1.10. $\frac{11}{20}$

Q2

2.1. $\frac{3}{2}$

2.2. $-\frac{8}{3}$

2.3. $\frac{13}{4}$

2.4. $-\frac{27}{5}$

2.5. $\frac{31}{7}$

2.6. $\frac{37}{6}$

2.7. $-\frac{43}{5}$

2.8. $\frac{92}{9}$

2.9. $-\frac{82}{11}$

2.10. $\frac{51}{4}$

Q3

3.1. $2\frac{1}{2}$

3.2. $-1\frac{3}{4}$

3.3. $3\frac{1}{3}$

3.4. $-1\frac{4}{7}$

3.5. 2

3.6. $-4\frac{1}{6}$

3.7. $3\frac{4}{9}$

3.8. $4\frac{6}{11}$

3.9. -8

3.10. $-7\frac{9}{13}$

Q4

4.1. 3

4.2. 9

4.3. 15

4.4. 10

4.5. -15

4.6. -4

4.7. 32

4.8. 24

4.9. -9

4.10. 100

4.11. -24

4.12. 55

4.13. -9

4.14. 36

4.15. 42

Q5

5.1. $\frac{1}{2}$

5.2. $\frac{1}{3}$

5.3. $\frac{3}{5}$

5.4. $\frac{3}{4}$

5.5. $\frac{3}{5}$

5.6. $\frac{1}{3}$

5.7. $\frac{2}{3}$

5.8. $\frac{5}{7}$

5.9. $\frac{2}{3}$

5.10. $\frac{5}{6}$

Q6

6.1. $\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

6.2. $2\frac{2}{8} = \frac{18}{8} = \frac{9}{4}$

6.3. $\frac{12}{10} = 1\frac{2}{10} = 1\frac{1}{5}$

6.4. $-\frac{15}{9} = -1\frac{6}{9} = -1\frac{2}{3}$

6.5. $3\frac{4}{6} = \frac{22}{6} = \frac{11}{3}$

6.6. $-1\frac{6}{8} = -\frac{14}{8} = -\frac{7}{4}$

6.7. $\frac{20}{12} = 1\frac{8}{12} = 1\frac{2}{3}$

6.8. $\frac{30}{25} = 1\frac{5}{25} = 1\frac{1}{5}$

6.9. $5\frac{10}{15} = \frac{85}{15} = \frac{17}{3}$

6.10. $-\frac{45}{20} = -2\frac{5}{20} = -2\frac{1}{4}$

6.11. $4\frac{8}{10} = \frac{48}{10} = \frac{24}{5}$

6.12. $\frac{50}{30} = 1\frac{20}{30} = 1\frac{2}{3}$

6.13. $\frac{75}{-50} = -\frac{75}{50} = -1\frac{25}{50} = -1\frac{1}{2}$

6.14. $6\frac{12}{16} = \frac{108}{16} = \frac{27}{4}$

6.15. $-2\frac{14}{21} = -\frac{56}{21} = -\frac{8}{3}$

Version history and licensing

v1.0: initial version created 12/25 by Donald Campbell as part of a University of St Andrews VIP project.