

# Answers: Arithmetic on numerical fractions

Donald Campbell

## Summary

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

*These are the answers to [Questions: Arithmetic on numerical fractions](#).*

**Please attempt the questions before reading these answers!**

## Q1

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

1.2.  $\frac{3}{7}$

1.3.  $-\frac{1}{5}$

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

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

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

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

1.8.  $\frac{4}{5}$

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

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

1.11.  $\frac{7}{20}$

1.12.  $\frac{1}{12}$

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

1.14.  $-\frac{13}{20}$

1.15.  $\frac{25}{14}$

## Q2

2.1.  $\frac{1}{12}$

2.2.  $\frac{6}{35}$

2.3. 6

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

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

2.6.  $-\frac{3}{28}$

2.7. 4

2.8.  $\frac{10}{3}$

2.9.  $-\frac{14}{15}$

2.10.  $-\frac{3}{4}$

2.11.  $\frac{2}{13}$

2.12.  $\frac{3}{8}$

## Q3

3.1. 2

3.2.  $\frac{8}{15}$

3.3.  $\frac{3}{16}$

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

3.5. 20

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

3.7.  $-\frac{5}{6}$

- 3.8.  $\frac{2}{11}$   
3.9.  $-\frac{3}{4}$   
3.10.  $-\frac{4}{3}$   
3.11.  $\frac{3}{8}$   
3.12.  $\frac{1}{14}$

#### Q4

- 4.1.  $\frac{7}{2}$   
4.2.  $\frac{9}{4}$   
4.3. 3  
4.4. 4  
4.5.  $\frac{49}{12}$   
4.6.  $\frac{19}{8}$   
4.7.  $-\frac{3}{5}$   
4.8. -2  
4.9.  $-\frac{59}{15}$   
4.10. 4  
4.11. 2  
4.12.  $\frac{89}{18}$

---

---

#### Version history and licensing

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

[This work is licensed under CC BY-NC-SA 4.0.](#)