

# Answers: Arithmetic on numerical fractions

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

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

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

## Q2

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

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

$$2.3. \quad 6$$

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

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

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

$$2.7. \quad 4$$

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

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

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

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

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

## Q3

$$3.1. \quad 2$$

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

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

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

$$3.5. \quad 20$$

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

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

- 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.  $\frac{89}{18}$

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#### Version history and licensing

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

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