

**UNIT 20** *Arithmetic: Fractions***Extra Exercises 20.1**

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1. Calculate:

- |                  |                    |                   |
|------------------|--------------------|-------------------|
| (a) $142 + 96$   | (b) $237 - 129$    | (c) $3.7 + 2.01$  |
| (d) $5.6 - 3.2$  | (e) $4.9 - 1.05$   | (f) $8.2 + 6.203$ |
| (g) $0.9 - 0.22$ | (h) $0.92 + 0.871$ | (i) $3.2 - 1.52$  |

2. Calculate:

- |                      |                      |                       |
|----------------------|----------------------|-----------------------|
| (a) $8 \times 7$     | (b) $12 \times 5$    | (c) $6 \times 24$     |
| (d) $1.2 \times 6$   | (e) $3.7 \times 5$   | (f) $9.2 \times 4$    |
| (g) $2.4 \times 1.2$ | (h) $3.6 \times 1.4$ | (i) $2.4 \times 3.01$ |

3. Calculate:

- |                   |                    |                   |
|-------------------|--------------------|-------------------|
| (a) $124 \div 2$  | (b) $84 \div 4$    | (c) $165 \div 5$  |
| (d) $468 \div 3$  | (e) $2.4 \div 6$   | (f) $8.4 \div 7$  |
| (g) $15.6 \div 6$ | (h) $13.53 \div 3$ | (i) $37.8 \div 9$ |

4. Packets of football stickers cost 32p each. How much would 8 packets cost?

5. 4 kg of sweets are shared out equally between 5 children. How many kg of sweets does each child have?

**UNIT 20** *Arithmetic: Fractions***Extra Exercises 20.2**

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1. Calculate:

(a)  $\frac{3}{5} + \frac{1}{5}$

(b)  $\frac{4}{7} + \frac{2}{7}$

(c)  $\frac{2}{9} + \frac{5}{9}$

(d)  $\frac{9}{10} - \frac{3}{10}$

(e)  $\frac{4}{5} - \frac{2}{5}$

(f)  $\frac{7}{9} - \frac{2}{9}$

(g)  $\frac{8}{11} - \frac{5}{11}$

(h)  $\frac{4}{11} + \frac{7}{11}$

(i)  $\frac{6}{13} - \frac{2}{13}$

2. Calculate:

(a)  $\frac{1}{2} + \frac{1}{4}$

(b)  $\frac{3}{10} + \frac{2}{5}$

(c)  $\frac{3}{4} + \frac{1}{8}$

(d)  $\frac{3}{4} + \frac{2}{5}$

(e)  $\frac{1}{3} + \frac{1}{7}$

(f)  $\frac{1}{3} + \frac{1}{6}$

(g)  $\frac{1}{3} - \frac{1}{7}$

(h)  $\frac{5}{6} - \frac{1}{2}$

(i)  $\frac{5}{8} - \frac{1}{4}$

3. Calculate:

(a)  $1\frac{1}{2} + \frac{3}{4}$

(b)  $2\frac{1}{3} + 1\frac{1}{2}$

(c)  $1\frac{1}{4} - \frac{2}{3}$

(d)  $3\frac{1}{2} - 1\frac{1}{4}$

(e)  $5\frac{1}{2} - 3\frac{2}{3}$

(f)  $1\frac{1}{4} - \frac{2}{5}$

4. Laura eats  $\frac{1}{5}$  of a cake. Her sister Claire eats  $\frac{1}{4}$  of the cake. What fraction of the cake is left?

**UNIT 20** *Arithmetic: Fractions***Extra Exercises 20.3**

1. Calculate:

(a)  $\frac{1}{2} \times 18$

(b)  $\frac{1}{4} \times 24$

(c)  $\frac{1}{6} \times 30$

(d)  $\frac{2}{3} \times 60$

(e)  $\frac{3}{4} \times 20$

(f)  $\frac{4}{5} \times 30$

(g)  $\frac{5}{9} \times 36$

(h)  $\frac{4}{7} \times 28$

(i)  $\frac{3}{7} \times 21$

2. Calculate:

(a)  $\frac{1}{4} \times \frac{1}{5}$

(b)  $\frac{1}{2} \times \frac{2}{3}$

(c)  $\frac{3}{4} \times \frac{4}{5}$

(d)  $\frac{1}{7} \times \frac{3}{5}$

(e)  $\frac{2}{3} \times \frac{2}{5}$

(f)  $\frac{3}{8} \times \frac{4}{5}$

(g)  $\frac{4}{7} \times \frac{3}{8}$

(h)  $\frac{1}{6} \times \frac{2}{3}$

(i)  $\frac{5}{6} \times \frac{3}{4}$

3. Calculate:

(a)  $1\frac{1}{2} \times \frac{1}{2}$

(b)  $1\frac{3}{4} \times \frac{2}{3}$

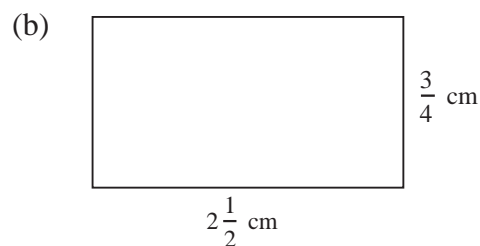
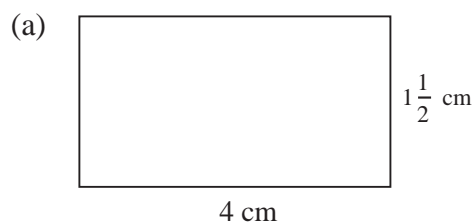
(c)  $4\frac{1}{5} \times \frac{1}{3}$

(d)  $4\frac{1}{2} \times \frac{1}{5}$

(e)  $3\frac{1}{8} \times \frac{3}{5}$

(f)  $1\frac{1}{2} \times 3\frac{1}{2}$

4. Write down the area of each of these rectangles:



**UNIT 20** *Arithmetic: Fractions***Extra Exercises 20.4**

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1. Calculate:

(a)  $3 \div \frac{1}{2}$

(b)  $8 \div \frac{1}{4}$

(c)  $9 \div \frac{1}{5}$

(d)  $\frac{1}{4} \div 2$

(e)  $\frac{3}{5} \div 6$

(f)  $\frac{5}{8} \div 5$

(g)  $\frac{3}{8} \div 4$

(h)  $1\frac{1}{2} \div 4$

(i)  $3\frac{1}{4} \div 13$

2. Calculate:

(a)  $\frac{1}{6} \div \frac{1}{3}$

(b)  $\frac{4}{5} \div \frac{1}{8}$

(c)  $\frac{5}{9} \div \frac{7}{9}$

(d)  $\frac{3}{4} \div \frac{1}{8}$

(e)  $\frac{1}{7} \div \frac{4}{5}$

(f)  $\frac{2}{9} \div \frac{1}{8}$

(g)  $\frac{3}{4} \div \frac{4}{3}$

(h)  $\frac{5}{8} \div \frac{3}{4}$

(i)  $\frac{3}{7} \div \frac{3}{4}$

3. Calculate:

(a)  $1\frac{1}{2} \div \frac{3}{4}$

(b)  $2\frac{1}{2} \div \frac{5}{7}$

(c)  $4\frac{1}{2} \div 1\frac{1}{2}$

(d)  $6\frac{1}{4} \div 1\frac{1}{2}$

(e)  $3\frac{1}{2} \div 1\frac{2}{3}$

(f)  $5\frac{1}{4} \div 1\frac{1}{3}$

4. A car uses  $\frac{3}{5}$  litres of fuel for every kilometre it travels. How far can it travel if it uses:

(a) 3 litres of fuel

(b)  $2\frac{1}{2}$  litres of fuel ?