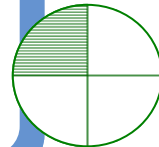
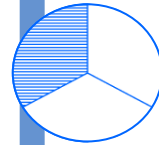
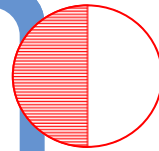


Answers - Basics of Fractions Book 1

Developing Fluency In Numeracy

Fractions all around us:

- ✓ in shapes
- ✓ in money
- ✓ in time
- ✓ in lengths
- ✓ in mass
- ✓ in capacity
- ✓ to share in equal measures



Answers to Fractions Basics Book 1

<p>Page 3</p> <p>Q1: a) 79 b) 83 c) 93 d) 106 e) 124 f) 138 Q2: a) 11 b) 38 c) 21 d) 54 e) 42 f) 14</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="padding: 2px;">$3 \times 5 = 15$</td> <td style="padding: 2px;">$30 \div 3 = 10$</td> <td style="padding: 2px;">$3 \times 9 = 27$</td> <td style="padding: 2px;">$40 \div 4 = 10$</td> </tr> <tr> <td style="padding: 2px;">Q3: $8 \times 2 = 16$</td> <td style="padding: 2px;">$18 \div 3 = 6$</td> <td style="padding: 2px;">$7 \times 2 = 14$</td> <td style="padding: 2px;">$24 \div 3 = 8$</td> </tr> <tr> <td style="padding: 2px;">$3 \times 4 = 12$</td> <td style="padding: 2px;">$30 \div 2 = 15$</td> <td style="padding: 2px;">$4 \times 5 = 20$</td> <td style="padding: 2px;">$24 \div 4 = 6$</td> </tr> </table>	$3 \times 5 = 15$	$30 \div 3 = 10$	$3 \times 9 = 27$	$40 \div 4 = 10$	Q3: $8 \times 2 = 16$	$18 \div 3 = 6$	$7 \times 2 = 14$	$24 \div 3 = 8$	$3 \times 4 = 12$	$30 \div 2 = 15$	$4 \times 5 = 20$	$24 \div 4 = 6$	<p>Page 7</p> <p>2. a. Fraction is part of one whole. b. Yes. c. Yes d. Numerator. e. Denominator f, g and h own answer.</p>
$3 \times 5 = 15$	$30 \div 3 = 10$	$3 \times 9 = 27$	$40 \div 4 = 10$										
Q3: $8 \times 2 = 16$	$18 \div 3 = 6$	$7 \times 2 = 14$	$24 \div 3 = 8$										
$3 \times 4 = 12$	$30 \div 2 = 15$	$4 \times 5 = 20$	$24 \div 4 = 6$										
<p>Page 9 Q 2: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> Q 3: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> c) <input checked="" type="checkbox"/></p>													
<p>Page 11 Q 2: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> Q 3: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> c) <input checked="" type="checkbox"/></p>													
<p>Page 13 Q 2: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> Q 3: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> c) <input checked="" type="checkbox"/></p>													
<p>Page 14</p> <p>Q1 $\frac{1}{2}$ of 12 = 6</p> <p>Q2: a) $\frac{1}{2}$ of 4 = <u>2</u> (this is $4 \div 2 = 2$ $2 \times 2 = 4$) b) $\frac{1}{2}$ of 6 = <u>3</u> (this is $6 \div 2 = 3$ $2 \times 3 = 6$) c) $\frac{1}{2}$ of 8 = <u>4</u> (this is $8 \div 2 = 4$ $2 \times 4 = 8$) d) $\frac{1}{2}$ of 10 = <u>5</u> (this is $10 \div 2 = 5$ $2 \times 5 = 10$)</p>	<p>Page 15</p> <p>Q1: a) $\frac{1}{2}$ of <u>8</u> = <u>4</u> (this is $8 \div 2 = 4$) b) $\frac{1}{2}$ of <u>12</u> = <u>6</u> (this is $12 \div 2 = 6$) c) $\frac{1}{2}$ of <u>10</u> = <u>5</u> (this is $10 \div 2 = 5$)</p> <p>Q2: a) $\frac{1}{2}$ of <u>12</u> = <u>6</u> (this is $12 \div 2 = 6$) b) $\frac{1}{2}$ of <u>14</u> = <u>7</u> (this is $14 \div 2 = 7$) c) $\frac{1}{2}$ of <u>18</u> = <u>9</u> (this is $18 \div 2 = 9$)</p> <p>Q3: a) $\frac{1}{2}$ of <u>20</u> = <u>10</u> (this is $20 \div 2 = 10$) b) $\frac{1}{2}$ of <u>24</u> = <u>12</u> (this is $24 \div 2 = 12$) c) $\frac{1}{2}$ of <u>30</u> = <u>15</u> (this is $30 \div 2 = 15$)</p>												
<p>Page 16</p> <p>Q1: a) $\frac{1}{3}$ of <u>12</u> = <u>4</u> (this is $12 \div 3 = 4$)</p> <p>Q2: a) $\frac{1}{3}$ of <u>3</u> = <u>1</u> (this is $3 \div 3 = 1$ $3 \times 1 = 3$) b) $\frac{1}{3}$ of <u>6</u> = <u>2</u> (this is $6 \div 3 = 2$ $3 \times 2 = 6$) c) $\frac{1}{3}$ of <u>9</u> = <u>3</u> (this is $9 \div 3 = 3$ $3 \times 3 = 9$) d) $\frac{1}{3}$ of <u>12</u> = <u>4</u> (this is $12 \div 3 = 4$ $3 \times 4 = 12$)</p>	<p>Page 17</p> <p>Q1: a) $\frac{1}{3}$ of <u>6</u> = <u>2</u> (this is $6 \div 3 = 2$) b) $\frac{1}{3}$ of <u>12</u> = <u>4</u> (this is $12 \div 3 = 4$) c) $\frac{1}{3}$ of <u>9</u> = <u>3</u> (this is $9 \div 3 = 3$)</p> <p>Q2: a) $\frac{1}{3}$ of <u>12</u> = <u>4</u> (this is $12 \div 3 = 4$) b) $\frac{1}{3}$ of <u>15</u> = <u>5</u> (this is $15 \div 3 = 5$) c) $\frac{1}{3}$ of <u>18</u> = <u>6</u> (this is $18 \div 3 = 6$)</p> <p>Q3: a) $\frac{1}{3}$ of <u>27</u> = <u>9</u> (this is $27 \div 3 = 9$) b) $\frac{1}{3}$ of <u>24</u> = <u>8</u> (this is $24 \div 3 = 8$) c) $\frac{1}{3}$ of <u>30</u> = <u>10</u> (this is $30 \div 3 = 10$)</p>												

Answers to Fractions Basics Book 1

<p>Page 18</p> <p>Q1: a) $\frac{1}{4}$ of <u>12</u> = <u>3</u> (this is <u>12</u> \div 4 = <u>3</u>)</p> <p>Q2: a) $\frac{1}{4}$ of <u>4</u> = <u>1</u> (this is <u>4</u> \div 4 = <u>1</u> 4 x 1 = <u>4</u>)</p> <p style="padding-left: 20px;">b) $\frac{1}{4}$ of <u>8</u> = <u>2</u> (this is <u>8</u> \div 4 = <u>2</u> 4 x 2 = <u>8</u>)</p> <p style="padding-left: 20px;">c) $\frac{1}{4}$ of <u>12</u> = <u>3</u> (this is <u>12</u> \div 4 = <u>3</u> 4 x 3 = <u>12</u>)</p> <p style="padding-left: 20px;">d) $\frac{1}{4}$ of <u>16</u> = <u>4</u> (this is <u>16</u> \div 4 = <u>4</u> 4 x 4 = <u>16</u>)</p>	<p>Page 19</p> <p>Q1: a) $\frac{1}{4}$ of <u>8</u> = <u>2</u> (this is <u>8</u> \div 4 = <u>2</u>)</p> <p style="padding-left: 20px;">b) $\frac{1}{4}$ of <u>12</u> = <u>3</u> (this is <u>12</u> \div 4 = <u>3</u>)</p> <p style="padding-left: 20px;">c) $\frac{1}{4}$ of <u>20</u> = <u>5</u> (this is <u>20</u> \div 4 = <u>5</u>)</p> <p>Q2: a) $\frac{1}{4}$ of <u>12</u> = <u>4</u> (this is <u>12</u> \div 4 = <u>3</u>)</p> <p style="padding-left: 20px;">b) $\frac{1}{4}$ of <u>20</u> = <u>5</u> (this is <u>20</u> \div 4 = <u>5</u>)</p> <p style="padding-left: 20px;">c) $\frac{1}{4}$ of <u>24</u> = <u>6</u> (this is <u>24</u> \div 4 = <u>6</u>)</p> <p>Q3: a) $\frac{1}{4}$ of <u>36</u> = <u>9</u> (this is <u>36</u> \div 4 = <u>9</u>)</p> <p style="padding-left: 20px;">b) $\frac{1}{4}$ of <u>40</u> = <u>10</u> (this is <u>40</u> \div 4 = <u>10</u>)</p> <p style="padding-left: 20px;">c) $\frac{1}{4}$ of <u>32</u> = <u>8</u> (this is <u>32</u> \div 4 = <u>8</u>)</p>
<p>Page 20</p> <p>Q1: a) $\frac{1}{2}$ of 4 = <u>2</u> b) $\frac{1}{2}$ of 6 = <u>3</u> c) $\frac{1}{2}$ of 8 = <u>4</u></p> <p>Q2: a) $\frac{1}{2}$ of 10 = <u>5</u> b) $\frac{1}{2}$ of 12 = <u>6</u> c) $\frac{1}{2}$ of 14 = <u>7</u></p> <p style="padding-left: 20px;">d) $\frac{1}{2}$ of 20 = <u>10</u> e) $\frac{1}{2}$ of 16 = <u>8</u> f) $\frac{1}{2}$ of 18 = <u>9</u></p> <p style="padding-left: 20px;">g) $\frac{1}{2}$ of 22 = <u>11</u> h) $\frac{1}{2}$ of 24 = <u>12</u> i) $\frac{1}{2}$ of 30 = <u>15</u></p>	<p>Page 21</p> <p>Q1: a) £2.00 b) £4.00 c) £9.00 d) £10.00 e) £12.00</p> <p>Q2: a) i) £18.00 ii) £ 18.00 b) i) £9.00 ii) £9.00 c) i) £4.50 ii) £4.50</p>
<p>Page 22</p> <p>Q1: a) $\frac{1}{3}$ of 3 = <u>1</u> b) $\frac{1}{3}$ of 6 = <u>2</u> c) $\frac{1}{3}$ of 9 = <u>3</u></p> <p>Q2: a) $\frac{1}{3}$ of 15 = <u>5</u> b) $\frac{1}{3}$ of 12 = <u>4</u> c) $\frac{1}{3}$ of 18 = <u>6</u></p> <p style="padding-left: 20px;">d) $\frac{1}{3}$ of 21 = <u>7</u> e) $\frac{1}{3}$ of 27 = <u>9</u> f) $\frac{1}{3}$ of 24 = <u>8</u></p> <p style="padding-left: 20px;">g) $\frac{1}{3}$ of 30 = <u>10</u> h) $\frac{1}{3}$ of 33 = <u>11</u> i) $\frac{1}{3}$ of 36 = <u>12</u></p>	<p>Page 23</p> <p>Q1: a) £1.00 b) £3.00 c) £6.00 d) £10.00 e) £8.00</p> <p>Q2: a) i) £12.00 ii) £24.00 b) i) £8.00 ii) £16.00 c) i) £8.00 ii) £8.00</p>
<p>Page 24</p> <p>Q1: a) $\frac{1}{4}$ of 4 = <u>1</u> b) $\frac{1}{4}$ of 12 = <u>3</u> c) $\frac{1}{4}$ of 8 = <u>2</u></p> <p>Q2: a) $\frac{1}{4}$ of 8 = <u>2</u> b) $\frac{1}{4}$ of 12 = <u>3</u> c) $\frac{1}{4}$ of 24 = <u>6</u></p> <p style="padding-left: 20px;">d) $\frac{1}{4}$ of 20 = <u>5</u> e) $\frac{1}{4}$ of 16 = <u>4</u> f) $\frac{1}{4}$ of 28 = <u>7</u></p> <p style="padding-left: 20px;">g) $\frac{1}{4}$ of 32 = <u>8</u> h) $\frac{1}{4}$ of 36 = <u>9</u> i) $\frac{1}{4}$ of 40 = <u>10</u></p>	<p>Page 25</p> <p>Q1: a) £1.00 b) £2.00 c) £4.00 d) £5.00 e) £6.00</p> <p>Q2: a) i) £12.00 ii) £36.00 b) i) £9.00 ii) £27.00 c) i) £9.00 ii) £18.00</p>

Answers to Fractions Basics Book 1

<p>Page 26</p> <p>60 minutes equals one hour.</p> <p>60 seconds equals one minute.</p> <p>Q1: Check time against the hands drawn on the clock face.</p>	<p>Page 27</p> <p>Q1: Check time against the hands drawn on the clock face.</p> <p>Q2: From 12:00 am to 12:00 pm is 12 hours. From 12:00 pm to 12:00 am is 12 hours. 24 hours equals one day.</p> <p>a) Midday is 12:00 pm (In the afternoon). b) Midnight is 12:00 am (In the night). c) 24 hours d) 12 hours e) 6 hours f) 8 hours</p>
<p>Page 28</p> <p>Q1: a) $\frac{1}{2}$ of 4 = 2 cm b) $\frac{1}{2}$ of 8 = 4 cm c) $\frac{1}{2}$ of 6 = 3 cm</p> <p>Q2: a) $\frac{1}{3}$ of 6 = 2 cm b) $\frac{1}{3}$ of 9 = 3 cm c) $\frac{1}{3}$ of 3 = 1 cm</p> <p>Q3: a) $\frac{1}{4}$ of 4 = 1 cm b) $\frac{1}{4}$ of 8 = 2 cm c) $\frac{1}{4}$ of 12 = 3 cm</p> <p>Q4: $\frac{1}{2}$ is bigger.</p>	<p>Page 29</p> <p>Q1: a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{2}$ e) $\frac{1}{3}$ f) $\frac{1}{4}$</p> <p>Q2: a) <input checked="" type="checkbox"/> b) <input checked="" type="checkbox"/> c) <input checked="" type="checkbox"/> d) <input checked="" type="checkbox"/> e) <input checked="" type="checkbox"/> f) <input checked="" type="checkbox"/> g) <input checked="" type="checkbox"/></p>
<p>Page 30</p> <p>Q1: a) 1000 g 500 g b) 1000 kg 500 kg</p> <p>Q2: a) 4 kg b) 18 kg c) 9 kg d) 12 kg e) 6 kg f) 9 kg g) 8 kg h) 7 kg i) 6 kg j) 7 kg</p> <p>Q3: a) i) 18 g ii) 12g iii) 9 g b) i) 30 g ii) 20 g iii) 15 g i) $\frac{1}{3}$ of 60 is more than $\frac{1}{2}$ of 36 by 2 grams.</p>	<p>Page 31</p> <p>Q2: a) 12 l b) 30 l c) 6 l d) 15 l e) 8 l f) 20 l g) 11 l h) 22 l i) 11 l j) 12 l</p> <p>Q3: a) $\frac{1}{2}$ of 100 = 50 ml b) $\frac{1}{4}$ of 100 = 25 ml d) $\frac{1}{2}$</p>
<p>Page 32</p> <p>Q1: a) i. 6 ii. 8 iii. 12 b) i. 9 ii. 12 iii. 18 c) i. 12 ii. 16 iii. 24</p>	<p>Page 33</p> <p>Q1: a) 2, 4 and 6 grid coloured. b) 1, 2 and 3 grid coloured. c) 1, 3 and 4 grid coloured.</p> <p>Q2: a) 4 b) 15 c) 5 d) 10 e) 7 f) 10 g) 7 h) 25 i) 13 j) 14 k) 24 l) 40</p> <p>Q3: a) 10, b) 30 left c) 10 d) 10 or 15 Either is correct depending on the interpretation.</p>
<p>Page 34</p> <p>Own answers.</p>	<p>Page 35</p>