

Pages 4–5

- a) 3 b) 8 c) 4
- a) $\frac{1}{3}$ b) $\frac{2}{4}$ c) $\frac{1}{4}$
- a) 3 b) 2 c) 5
- a) $\frac{2}{3}$ b) $\frac{5}{9}$ c) $\frac{2}{3}$
- $$\begin{array}{ccc} \frac{16}{20} & \times & \frac{25}{35} \\ \frac{5}{7} & \times & \frac{4}{5} \\ \hline \frac{1}{4} & \times & \frac{3}{7} \\ \frac{18}{30} & \times & \frac{3}{5} \\ \frac{9}{21} & \times & \frac{8}{32} \end{array}$$

6. Maths

- a) $\frac{5}{6}$ b) $\frac{6}{5}$ c) $\frac{2}{5}$

Pages 6–7

- a) $\frac{4}{8}$ b) $\frac{6}{8}$ c) $\frac{2}{8}$
- a) $\frac{2}{12}$ b) $\frac{4}{12}$ c) $\frac{3}{12}$ d) $\frac{6}{12}$
- a) $\frac{4}{20}$ b) $\frac{2}{10}$ c) $\frac{5}{20}$ d) $\frac{10}{20}$
- a) $\frac{8}{16}$ b) $\frac{4}{16}$ c) $\frac{6}{16}$ d) $\frac{14}{16}$
- a) $\frac{6}{10}$ b) $\frac{2}{10}$ c) $\frac{5}{10}$ d) $\frac{8}{10}$
- a) $\frac{12}{24}$ b) $\frac{6}{24}$ c) $\frac{2}{24}$ d) $\frac{1}{24}$
- a) $\frac{8}{12}$ b) $\frac{3}{12}$ c) $\frac{18}{24}$ d) $\frac{2}{12}$
- a) $\frac{6}{8}$ b) $\frac{4}{8}$ c) $\frac{3}{8}$ d) $\frac{4}{8}$
- a) 12ths b) 24ths c) 20ths d) 10ths
- a) $\frac{8}{12}, \frac{16}{24}$ b) $\frac{3}{4}, \frac{9}{12}$ c) $\frac{6}{18}, \frac{9}{27}, \frac{1}{3}$

Pages 8–9

- a) $\frac{4}{5}$ b) $\frac{5}{6}$ c) $\frac{23}{24}$
- a) $\frac{2}{3} < \frac{3}{4}$ b) $\frac{4}{5} > \frac{2}{3}$ c) $\frac{3}{4} < \frac{5}{6}$
- a) $1\frac{3}{5} < 1\frac{2}{3}$ b) $2\frac{5}{8} > 2\frac{7}{12}$ c) $1\frac{2}{3} < 1\frac{5}{8}$
- a) $\frac{5}{6}$ b) $\frac{6}{8}$ c) $\frac{5}{9}$
- Brooklyn
- Laiba
- a) $\frac{1}{2}$ b) $\frac{3}{10}$ c) $\frac{1}{2}$

Pages 10–11

- a) $\frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ b) $\frac{1}{2}, \frac{2}{3}, \frac{5}{6}$ c) $\frac{1}{4}, \frac{2}{6}, \frac{5}{12}, \frac{2}{3}$
- a) $\frac{2}{5}, \frac{1}{2}, \frac{6}{10}$ b) $\frac{3}{16}, \frac{3}{8}, \frac{3}{4}$ c) $\frac{6}{24}, \frac{4}{12}, \frac{5}{6}$
- a) $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$ b) $\frac{2}{6}, \frac{1}{2}, \frac{5}{8}, \frac{2}{3}$ c) $\frac{2}{6}, \frac{5}{12}, \frac{2}{3}, \frac{3}{4}, \frac{7}{8}$
- a) $\frac{1}{2}, \frac{3}{4}, \frac{11}{12}, 1\frac{3}{8}, 1\frac{5}{12}, 1\frac{2}{3}, 1\frac{5}{6}$ b) $\frac{6}{7}, \frac{20}{21}, 1\frac{1}{3}, 1\frac{5}{14}, 1\frac{5}{6}, 2\frac{1}{2}$ c) $\frac{7}{12}, \frac{28}{24}, \frac{6}{4}, \frac{10}{6}, \frac{14}{8}, \frac{6}{3}$

Pages 12–13

- a) $\frac{7}{8}$ b) $\frac{3}{6}$ or $\frac{1}{2}$ c) $\frac{3}{10}$
- a) $\frac{5}{6}$ b) $\frac{8}{8}$ or 1 c) $\frac{6}{12}$ or $\frac{1}{2}$
- a) $\frac{6}{12}$ or $\frac{1}{2}$ b) $\frac{7}{8}$ c) $\frac{7}{12}$
- a) $1\frac{17}{24}$ b) $1\frac{7}{24}$ c) $1\frac{7}{15}$
- a) $\frac{11}{14}$ b) $\frac{1}{2}$ c) $\frac{24}{35}$
- $\frac{59}{60}$
- $\frac{69}{108}$ or $\frac{23}{36}$

Pages 14–15

- a) $\frac{1}{4}$ b) $\frac{3}{8}$ c) $\frac{7}{20}$
- a) $\frac{1}{6}$ b) $\frac{1}{12}$ c) $\frac{6}{10}$ or $\frac{3}{5}$
- a) $\frac{3}{8}$ b) $1\frac{8}{12}$ or $1\frac{2}{3}$ c) $\frac{4}{12}$ or $\frac{1}{3}$
- a) $\frac{2}{12}$ or $\frac{1}{6}$ e) $\frac{7}{8}$ f) $\frac{7}{15}$
- a) $\frac{1}{3}$ b) $\frac{1}{5}$ c) $\frac{1}{12}$
- $\frac{5}{24}$
- $\frac{9}{42}$ or $\frac{3}{14}$

Page 16

- a) $\frac{1}{4}$ b) $\frac{1}{3}$ c) $\frac{1}{4}$
- a) $\frac{9}{10}$ b) $\frac{13}{24}$ c) $\frac{3}{5}$
- a) $\frac{2}{3}$ b) $\frac{2}{3}$ c) $\frac{1}{3}$
- a) $\frac{5}{6}$ b) $\frac{2}{6}$ c) $\frac{2}{6}$
- a) $\frac{3}{7}$ b) $\frac{16}{12}$ c) $\frac{14}{20}$
- Tabitha
- $\frac{4}{12}, \frac{1}{2}, \frac{8}{12}, \frac{3}{4}, \frac{5}{6}$
- $\frac{7}{12}, \frac{5}{8}, \frac{4}{6}, \frac{3}{4}$
- $\frac{19}{42}$
- $\frac{15}{24}$ or $\frac{5}{8}$

Answers

Page 17

- $\frac{2}{7}$
 - $\frac{3}{4}$
 - $\frac{4}{7}$
- $\frac{6}{12}$
 - $\frac{1}{12}$
 - $\frac{2}{12}$
- Maths
- $\frac{2}{10}, \frac{18}{40}, \frac{3}{5}, \frac{5}{8}, \frac{14}{20}$
- $\frac{18}{24}$ or $\frac{3}{4}$
- $\frac{23}{30}$
- $\frac{3}{28}$
- $\frac{4}{15}$
- $\frac{3}{8}$
 - $\frac{1}{7}$
 - $\frac{2}{7}$
- 140

Pages 18–19

- $\frac{1}{8}$
 - $\frac{1}{15}$
 - $\frac{1}{24}$
- $\frac{6}{15}$ or $\frac{2}{5}$
 - $\frac{8}{21}$
 - $\frac{15}{24}$ or $\frac{5}{8}$
- $\frac{5}{21}$
 - $\frac{15}{28}$
 - $\frac{21}{20}$
- $\frac{1}{4}$
 - $\frac{2}{7}$
 - $\frac{9}{16}$
- $\frac{24}{180}$ or $\frac{2}{15}$
 - $\frac{45}{192}$ or $\frac{15}{64}$
 - $\frac{40}{168}$ or $\frac{5}{21}$
- $\frac{2}{3} \times \frac{4}{6} = \frac{8}{18}$
 - $\frac{2}{8} \times \frac{5}{6} = \frac{10}{48}$
 - $\frac{5}{4} \times \frac{4}{9} = \frac{20}{36}$

Pages 20–21

- $\frac{1}{8}$
 - $\frac{1}{12}$
 - $\frac{1}{10}$
- $\frac{1}{8}$
 - $\frac{1}{12}$
 - $\frac{1}{9}$
- $\frac{1}{12}$
 - $\frac{1}{18}$
 - $\frac{1}{9}$
- $\frac{1}{12}$
 - $\frac{1}{12}$
 - $\frac{1}{8}$
- $\frac{1}{8}$
- $\frac{1}{9}$
- $\frac{1}{32}$
 - $\frac{1}{30}$
 - $\frac{1}{60}$

Pages 22–23

- 3 tenths
 - 3 thousandths
 - 3 hundredths
- 3.9
 - 4.1
 - 4.3
 - 4.6
- Any number with a 4 in the hundredths column
 - Any number with a 7 in the tenths column
 - Any number with a 2 in the thousandths column
- 1.71
 - 1.73
 - 1.75
 - 1.78
- Numbers containing:
 - 2.35
 - 0.684
 - 0.039

- 1.052
 - 1.054
 - 1.056
 - 1.059

Pages 24–25

- 250
 - 32
 - 5
- 76
 - 740
 - 6.2
- 759
 - 613
 - 542
- 27
 - 34.5
 - 95.67
- 540
 - 873.4
 - 507
- 23500
 - 3
 - 9540
- 100
 - 0.0305
 - 0.6
- 5456 m
- 342 cm

Pages 26–27

- 0.5
 - 0.3
 - 0.7
- 0.43
 - 0.86
 - 0.52
- 0.546
 - 0.238
 - 0.967
- 68
 - 9.5
 - 0.048
- 5.64
 - 0.318
 - 4.76
- 5.246
 - 2.738
 - 4.567
- 100
 - 270
 - 0.56
- 0.345 m
- £45.73

Page 28

1. a) $\frac{1}{15}$ b) $\frac{1}{32}$
2. a) $\frac{15}{42}$ or $\frac{5}{14}$ b) $\frac{15}{28}$
3. a) $\frac{1}{10}$ b) $\frac{1}{9}$
4. a) $\frac{1}{16}$ b) $\frac{1}{12}$
5. $\frac{1}{6}$
6. a) 8 hundredths
b) 8 tenths
c) 8 thousandths
7. a) 10
b) 3.45
c) 0.3
8. a) 10
b) 360
c) 4.39
9. a) 23 500 m
b) 3280 cm
c) 0.655 kg
10. 3.457 km

Page 29

1. a) $\frac{1}{5}$ b) $\frac{15}{28}$
2. $\frac{1}{15}$
3. a) $\frac{1}{3} \div 3 = \frac{1}{9}$
b) $\frac{2}{4} \times \frac{3}{4} = \frac{6}{16}$
c) $\frac{1}{4} \div 2 = \frac{1}{8}$
4. a) 1
b) 3
c) 7
5. a) 100
b) 2360
c) 0.008
6. 0.45 m
7. 325 cm
8. 0.035
9. 7895 p
10. 4.63 m

Pages 30–31

1. a) 31.5
b) 42.4
c) 38
2. a) 21.9
b) 27.18
c) 40.85
3. a) 139.84
b) 275.88
c) 253.23
4. £183.60
5. £81.25
6. £135.45

- c) $\frac{1}{63}$
- c) $\frac{21}{30}$ or $\frac{7}{10}$
- c) $\frac{1}{20}$
- c) $\frac{1}{21}$

Pages 32–33

1. a) 13
b) 27.2
c) 24.5
d) 8.8
2. a) 8.25
b) 26.25
c) 17.25
d) 7.25
3. a) 48.25
b) 51.25
c) 44.25
4. 8.25
5. 32

Pages 34–35

1. a) 0.2
b) 0.25
c) 0.6
d) 0.5
e) 0.3
f) 0.8
2. a) 0.75
b) 0.625
c) 0.25
3. a) 0.375
b) 1.75
c) 1.125

4. $\frac{1}{4}$ 0.50
 $\frac{2}{5}$ 0.40
 $\frac{1}{8}$ 0.25
 $\frac{2}{4}$ 0.125

Pages 36–37

1. a) 6.3
b) 7.3
c) 24.8
2. a) 29
b) 48
c) 43
3. c) 21
4. a) 14.6
b) 33
c) 33.1
5. a) 6 km
b) £7.00
c) 5 m
6. 51.8 cm

Pages 38–39

1. a) 0.4
b) 0.75
c) 0.25

Answers

2. a) 5%
b) 2%
c) 4%
3. a) 20%
b) 90%
c) 70%
4. a) 80%
b) $\frac{32}{100}$
c) 45%
5. a) $30\% < \frac{12}{20}$
b) $0.125 = \frac{1}{8}$
c) $\frac{8}{24} < 35\%$
6. Gina

Page 40

1. 31.05
2. £89.96
3. £4.80
4. 18.6
5. a) 0.75
b) 0.75
c) 0.25
6. 0.01 $\frac{6}{8}$
0.50 $\frac{3}{24}$
0.75 $\frac{1}{100}$
0.125 $\frac{12}{24}$
7. 30.1
8. 23
9. $80\% = 0.8 = \frac{80}{100} = \frac{8}{10}$ or equivalents
10. Harry 75%

Page 41

1. 275.4
2. £89.40
3. 21.75
4. 18.25
5. 0.625
6. 22.14
7. 190
8. Maths 64%
9. 12.5% 0.035
0.35 $\frac{3}{12}$
25% $\frac{70}{200}$
 $\frac{35}{1000}$ 0.125
10. $25\% = 0.25 = \frac{25}{100} = \frac{1}{4}$

Pages 42–43

1. a) $\frac{7}{20}$
b) $\frac{3}{7}$
c) $\frac{2}{15}$
2. a) $\frac{18}{24}, \frac{20}{24}, \frac{21}{24}$
3. a) 0.25
b) $\frac{7}{10}$
c) 0.3
4. $\frac{1}{2}, \frac{7}{12}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$
5. $\frac{45}{30}$ or $\frac{3}{2}$ or $1\frac{1}{2}$
6. $\frac{1}{4} + \frac{3}{8} = \frac{5}{8}$
7. $\frac{7}{12}$
8. $\frac{2}{24}$ or $\frac{1}{12}$
9. $\frac{1}{15}$
10. $\frac{1}{8}$
11. $2\frac{4}{11} + \frac{3}{11} = 2\frac{7}{11}$
12. 0.875
13. 2 thousandths
14. 7
15. 54.3
16. £105
17. £9.25
18. £34.20
19. Jamie 90%
20. 90%