



The National
Orthodox School
Shmaisani

Mathematics

Unit 9: Decimals and percentages

The student's book

Chapter 9

Check in

- 1 a 4370
b 56300
c i 7.3 ii 3.4 iii 5.7 iv 5.0
- 2 a $\frac{3}{5}$ b $\frac{2}{3}$ c $1\frac{1}{2}$ d $\frac{3}{4}$
e $\frac{1}{3}$ f $\frac{2}{3}$

Exercise 9A

- 1 a 45000
b 0.000037
c 4300
d 0.508
e 4.7
f 0.0000264
g 9200
h 0.00045613
i 760 000 000
j 0.24
- 2 a 5
b 4
c 9
d 5
e 2
f 3
- 3 a 42000000
b 4
c 0.0031
d 49
- 4 54.1
- 5 He has just put 4 zeros on the end of the number instead of moving the digits.
- 6 a > b =

Investigation page 132

If the decimal is 0.abc

If $a = c$ then $b + c \leq 9$

If $a + 1 = c$ then $b + c > 9$

$a + b + c \leq 18$

| 3-digit starting number | Palindromic result |
|-------------------------|--------------------|
| 0.010 | 11.11 |
| 0.020 | 22.22 |
| 0.030 | 33.33 |
| 0.040 | 44.44 |
| 0.050 | 55.55 |
| 0.060 | 66.66 |
| 0.070 | 77.77 |
| 0.080 | 88.88 |
| 0.090 | 99.99 |
| 0.091 | 101.101 |
| 0.101 | 112.211 |
| 0.111 | 123.321 |
| 0.121 | 134.431 |
| 0.131 | 145.541 |
| 0.141 | 156.651 |
| 0.151 | 167.761 |

Answers

| | |
|-------|---------|
| 0.161 | 178.871 |
| 0.171 | 189.981 |
| 0.182 | 202.202 |
| 0.192 | 213.312 |
| 0.202 | 224.422 |
| 0.212 | 235.532 |
| 0.222 | 246.642 |
| 0.232 | 257.752 |
| 0.242 | 268.862 |
| 0.252 | 279.972 |
| 0.273 | 303.303 |
| 0.283 | 314.413 |
| 0.293 | 325.523 |
| 0.303 | 336.633 |
| 0.313 | 347.743 |
| 0.323 | 358.853 |
| 0.333 | 369.963 |
| 0.364 | 404.404 |
| 0.374 | 415.514 |
| 0.384 | 426.624 |
| 0.394 | 437.734 |
| 0.404 | 448.844 |
| 0.414 | 459.954 |
| 0.455 | 505.505 |
| 0.465 | 516.615 |
| 0.475 | 527.725 |
| 0.485 | 538.835 |
| 0.495 | 549.945 |
| 0.546 | 606.606 |
| 0.556 | 617.716 |
| 0.566 | 628.826 |
| 0.576 | 639.936 |
| 0.637 | 707.707 |
| 0.647 | 718.817 |
| 0.657 | 729.927 |
| 0.728 | 808.808 |
| 0.738 | 819.918 |
| 0.819 | 909.909 |

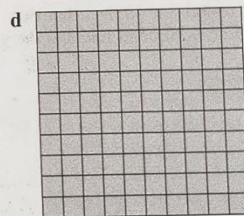
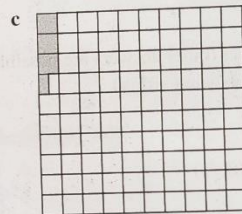
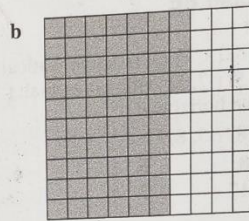
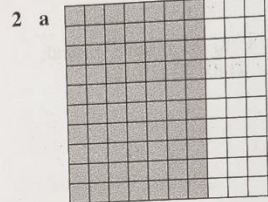
Exercise 9B

- 1 a 6.1 b 6.3 c 6.7 d 6.4 e 6.9
 f 7.0 g 6.4 h 6.8 i 6.1
- 2 a 3.2 b 4.4 c 0.8 d 0.8 e 0.7
 f 5.0 g 6.0 h 7.1 i 1.2
- 3 a 6.23 b 0.78 c 0.97 d 4.03 e 4.20
 f 6.11 g 4.00 h 0.03 i 0.21
- 4 a i 6.418 ii 6.42 iii 6.4
 b i 0.706 ii 0.71 iii 0.7
 c i 0.022 ii 0.02 iii 0.0
 d i 9.601 ii 9.60 iii 9.6
 e i 7.181 ii 7.18 iii 7.2
 f i 0.314 ii 0.31 iii 0.3
 g i 6.300 ii 6.30 iii 6.3
 h i 4.082 ii 4.08 iii 4.1

- 5 a \$26.14
 b $\$26.14 \times 7 = \182.98 , they need to round up what they pay to at least \$26.15
- 6 a 0.7459 b 0.74594
 7 a 0.17 b 0.27 c 0.38 d 6.86
- 8 $7.3 + 2.4$ $24.5 + 8.19$
- 9 a i 21.78 cm ii 21.8 cm
 b i 29.19 cm² ii 29.2 cm²
- 10 a There will be 4 people without seats who have tickets.
 b Anything between 15.75 tonnes and 16 tonnes will think it is safe to cross the bridge when it isn't.
- 11 a 7.4 b 0.40 c 0.00
- 12 a 85.0 b 61.000 c 7.90 d 7.99 e 0.0
- 13 3.4499 cm, 33.81 mm, 3.35 cm

Exercise 9C

- 1 a 40% b 36%
 c 2.5% d 149%



- 3 a 5% is the same as $\frac{5}{100}$ b 39% is the same as $\frac{39}{100}$
 c 81% is the same as $\frac{81}{100}$ d $\frac{128}{100}$ e $\frac{249}{100}$
- 4 a $\frac{34}{100}$ b $\frac{11}{100}$ c $\frac{9}{100}$
 d $\frac{0.7}{100}$ or $\frac{7}{1000}$ e $\frac{356}{100}$
- 5 a 15% b 25% c 17%
 d 189% e 0.3%

Exercise 9D

- 1 a 25 b 50 c 75
 d 70 e 35
 f $\frac{225}{100}$ and 225% g $\frac{155}{100}$ and 155%
 h $3\frac{35}{100} = 335\%$
- 2 a 60% b 80% c 55% d 60%
 e 6% f 220% g 282% h 220%
- 3 a 40% b 20% c 70% d 80%
 e 40% f 120% g 300% h 0.9%
 i 245%

- 4 a $\frac{6}{10}$ b 60%
 5 a $\frac{13}{20}$ b 65%
 6 a 70%
 b She scored the same percentage in both.
 7 a 60% b 74% c 82% d 65.5%
 8 15%
 9 Earl and Eric
 10 a 52% b 70% c 48%
 d 30% e 60%
 11 50%, 75%, 58%, 55%, 62.5%; year 8
 12 a 60% b 25% c 15%
 13 a i $\frac{7}{20}$ ii 35% b i $\frac{3}{5}$ ii 60%
 c i $\frac{3}{10}$ ii 30% d i $\frac{4}{8} = \frac{1}{2}$ ii 50%
 14 a 52% b 48% c 20% d 70%
 e 20%

Exercise 9E

- 1 90/100, 90%; 75/100, 75%; 25/100, 25%; 3/100, 3%;
 $5.8/100 = 58/1000, 5.8\%$; $140/100 = 2/1000, 140\%$
 2 multiply by 100%
 3 a 80% b 41% c 97%
 d 6% e 1%
 4 a 10% b 13.4% c 2.5% d 79.6%
 e 2.34% f 81.75% g 3.5% h 143%
 i 700%
 5 0.12; 8/100, 0.08; 10/100, 0.1; 16/100, 0.16; 39/100, 0.39;
 $64/100, 0.64$; $230/100, 2.3$; $0.2/100 = 2/1000, 0.002$
 6 b two places to the left
 7

| Fraction | Decimal | % |
|-----------------|---------|-----|
| $\frac{2}{5}$ | 0.4 | 40% |
| $\frac{4}{5}$ | 0.8 | 80% |
| $\frac{7}{10}$ | 0.7 | 70% |
| $\frac{3}{4}$ | 0.75 | 75% |
| $\frac{13}{20}$ | 0.65 | 65% |
| $\frac{17}{20}$ | 0.85 | 85% |
| $\frac{6}{25}$ | 0.24 | 24% |
| $\frac{3}{50}$ | 0.06 | 6% |
| $\frac{1}{25}$ | 0.04 | 4% |

- 8 a 0.19 b 0.29 c 0.66 d 0.03
 e 6.21 f 0.007 g 10 h 4.3
 i 0.015
 9 b 90%, 85%, $\frac{36}{40}$
 10 a 26% b 62% c $\frac{9}{20}$
 d 63% e $\frac{17}{16}$
 11 a $\frac{300}{500}$ b 0.04 c 15%
 12 a and b

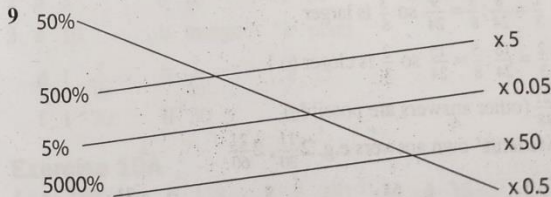
13

| Fraction | Decimal | Percentage |
|------------------|-----------|------------|
| $\frac{1}{3}$ | 0.333 | 33.3 |
| $\frac{3}{8}$ | 0.375 | 37.5 |
| $\frac{5}{8}$ | 0.625 | 62.5 |
| $\frac{3}{16}$ | 0.1875 | 18.75 |
| $\frac{7}{16}$ | 0.4375 | 43.75 |
| $\frac{2}{3}$ | 0.6666... | 66.67 |
| $\frac{3}{7}$ | 0.4285... | 42.86 |
| $\frac{716}{18}$ | 7.2 | 720 |
| $50\frac{1}{2}$ | 50.5 | 5050 |

- 0.333..., 33.3..., $\frac{3}{8}$, 37.5%; $\frac{5}{8}$, 0.625; 0.1875, 18.75%; $\frac{7}{16}$,
 0.4375; 0.666...; 66.6...%; 0.4285..., 42.85...%; 7.2, 720%;
 $50\frac{1}{2}$, 50.5%
 14 42%, $\frac{43}{100}$, $\frac{11}{25}$, $\frac{9}{20}$, 0.46
 15 Jane should buy the 600g cheese as it has a lower percentage
 of fat (34% rather than 36% for the 400g), she is doing the
 wrong thing.
 16 No, she is wrong $\frac{1}{2}$ is 50% not 0.5%
 17 82.5%, 62.5% and 102.5%

Exercise 9F

- 1 Joshua has made the mistake as \$6.3 is the same as \$6.30,
 crossing off the 0's is not how to divide by 10.
 2 a \$5 b 12km c 5l d \$60
 e \$74 f \$1.50 g 24g h 9 children
 i \$30 j \$1
 3 This is closest to method 3, divide by 100 then multiply.
 4 a $\frac{17}{10}$ b 0.02 c 63% d 0.3 e $\frac{2}{3}$
 5 a \$0.93 b \$1.14 c \$1.30 d \$1.02
 e \$3.75 f \$9.66 g \$0.60 h \$0.525
 i \$6.65 j \$0.30
 6 No, he has found half. 0.5% is half of 1% so should be 1.2
 7 Anya
 8 a \$54.96 b 5.6kg c 43.2l d 80.5km
 e 2m f 9.6g



- 10 No, because 200% is the same as multiplying by 2, it should
 be \$100, she has found 20%
 11 a 350g cheese b 500g cheese c no
 12 a 20% of 1250 b 15% of 220
 c 0.25×90
 13 326.4 km
 14 a 108 b 1620 c 21600
 15 a 8% b 8%; 396; 234; 198; 72
 16 3.15 tonnes

Answers

17 a 0.2×15 b 5% of 36 c 0.02×10

18 \$141.36, \$230.64

19 615

20 a 3 b 2.5 c 4.2

21 True. These calculations are all equivalent:

$$\frac{15}{100} \times 42 = \frac{15 \times 42}{100} = 15 \times \frac{42}{100} \text{ and so this will always be true.}$$

22 15% of 324

Exercise 9H

- 1 a < b > c > d <
2 a false b true c true d true
3 $3.4 < 3.404 < 3.41 < 3.5 < 3.501$
4 $7.7 > 7.62 > 7.612 > 7.6 > 7.06$
6 a > b = c < d >
7 a 870 litres > 8700 ml > 0.87 litres > 87 ml > 0.87 ml
 b $8.07 \text{ g} < 80.7 \text{ g} < 870 \text{ g} < 8.07 \text{ kg} < 80700 \text{ g} < 8 \text{ tonnes}$
8 $0.2 \text{ km} > 350 \text{ cm} > 2.4 \text{ m} > 220 \text{ cm} > 300 \text{ mm} > 0.25 \text{ m}$
9 $1.2 \text{ cm} < 0.14 \text{ m} < 140 \text{ cm} < 2400 \text{ mm} < 24.20 \text{ m} < 2.24 \text{ km}$

Exercise 9I

- 1 b $\frac{2}{3} = \frac{8}{12}$; $\frac{3}{4} = \frac{9}{12}$ c $\frac{3}{4}$
2 $\frac{1}{3} = \frac{8}{24}$; $\frac{3}{8} = \frac{9}{24}$ so $\frac{3}{8}$ is larger
3 $\frac{2}{3} = \frac{16}{24}$; $\frac{5}{8} = \frac{15}{24}$ so $\frac{2}{3}$ is closer to 1
4 $\frac{21}{48}$ (other answers are possible)
5 Students' own answers e.g. $2\frac{11}{30}$, $2\frac{21}{60}$
6 a $\frac{3}{4}$ b $\frac{61}{100}$ c $\frac{9}{20}$ d $2\frac{23}{50}$
7 a $\frac{3}{10}$ b $\frac{1}{20}$ c $\frac{39}{500}$ d $1\frac{5}{9}$
8 a $\frac{29}{32}$ b $\frac{4}{9}$ c $\frac{393}{1250}$ d $\frac{25}{16}$
10 $0.83, \frac{4}{5}, \frac{17}{20}$
11 $\frac{1}{5}, \frac{21}{100}, \frac{1}{4}, \frac{3}{10}, \frac{7}{20}$
12 a $\frac{24}{17}$ b 3.72

13 a false b true

14 a $\frac{4}{15} < \frac{7}{20} < \frac{3}{8} < \frac{2}{5}$

b $1\frac{7}{20} < \frac{9}{16} < \frac{8}{5} < \frac{13}{8}$

Exercise 9J

1 a -4.1 b -3.2 c -1.9 d 1.4
2 a -1.3 b -1.2 c -2.2 d -9.9

3

| | | | | |
|------|------|------|------|-----|
| + | -2.6 | -1.8 | -0.8 | 2.9 |
| -2.3 | -4.9 | -4.1 | -3.1 | 0.6 |
| -1.4 | -4 | -3.2 | -2.2 | 1.5 |
| -0.6 | -3.2 | -2.4 | -1.4 | 2.3 |
| 2.3 | -0.3 | 0.5 | 1.5 | 5.2 |

4 a -2.9 b -4.3 c -6.8 d -17.4
e 10.55 f -5.72

5 a -0.4 b -2.6 c 5.7 d 6.3

6 a -2.7 b 0 c -0.9 d -4 e -7.8 f -8.7

7 a -0.6 b -1.4 c -4.6 d -1

8

| | | | | | |
|------|------|------|------|------|------|
| - | -3.4 | -2.8 | -1 | 1.7 | 2.4 |
| -3 | 0.4 | -0.2 | -2 | -4.7 | -5.4 |
| -2.5 | 0.9 | 0.3 | -1.5 | -4.2 | -4.9 |
| -1 | 2.4 | 1.8 | 0 | -2.7 | -3.4 |
| 1.7 | 5.1 | 4.5 | 2.7 | 0 | -0.7 |
| 2 | 5.4 | 4.8 | 3 | 0.3 | -0.4 |

9 a i -3 ii 9 iii -3

b i -3.53 ii 8.471 iii -1.988

c the closer the original values are to the integers they round to the closer the estimates will be.

Exercise 9L

- 1 a 0.4 b 0.9 c 0.04 d 0.08
e 0.32 f 0.016 g 0.75 h 0.016
i 0.41 j 0.054
- 2 a 1.49 b 0.142 c 1.801 25 d 0.1815
e 45.5 f 0.445

3 \$17.28

4 4.35 km/hr

5 \$3.69

6 \$5.19

7 \$8.90

8 The third decimal place is 7 so he should have rounded up to 1.76

9 a 1.05 b 11.1 c 0.15

10 0.887

11 a 0.0123 b 0.488

Exercise 9

1 a 4500 b 0.0002645

2 a 3 b 5

3 a 0.03 b 0.025 c 0.0255

4 a 0.896 b 0.90

5

| Decimal | Fraction (cancelled to simplest form) | Percentage |
|-------------------|---------------------------------------|----------------|
| 0.2 | $\frac{1}{5}$ | 20 |
| 0.25 | $\frac{1}{4}$ | 25% |
| 0.875 | $\frac{7}{8}$ | 87.5% |
| 0.3 (or 0.333...) | $\frac{1}{3}$ | 33.3% (to 1dp) |
| 0.125 | $\frac{1}{8}$ | 12.5% |
| 0.19 | $\frac{19}{100}$ | 19% |
| 0.75 | $\frac{3}{4}$ | 75% |
| 0.08 | $\frac{2}{25}$ | 8% |
| 0.6 | $\frac{3}{5}$ | 60% |
| 0.7 | $\frac{7}{10}$ | 70% |

6 a $\frac{9}{25}$ b $\frac{9}{40}$ c $2\frac{7}{20}$

7 a 15% b 12.5%

8 90%

9 It is 0.03 whereas $0.3 = 30\%$

10 a i 31% ii 11% b 80%

11 a 380.6 b 261.8
c 743.4 d 2800.8

12 a \$92 b 1540 kg c 23 l d 1620 km

13 a 6 b 2.3 c 5.1

14 115%

15 a 550 b 850

16 $8\frac{8}{15} < 8\frac{3}{5} < 8\frac{5}{8} < 8\frac{13}{20}$

17 multiple answers

18 a -2.62 b 1.709 c 14.56

19 a 1.2 b 1.2 c 0.4 d 131.4

e 86.38 f 30.72 g 6 h 0.93

i 42.5 j 0.634

20 a \$63.89 b \$36.11

- 21 a \$53.70 b \$6.66 c \$34.80 d \$4.90
 22 \$25.50
 23 \$3.68
 24 \$44.37
 25 \$11.66
 26 a 1, 639, 702.9 b 10, 639, 63.9, 575.1

Check out

- 1 a 253000 b 0.2164
 2 a 3.60 b 3.596 c 3.5956
 3 a 0.3 b 0.06 c 2.5 d 13.07
 e 9.17 f 0.063
 4 a $\frac{3}{4}$ b $\frac{4}{5}$ c $\frac{3}{10}$
 d $2\frac{1}{4}$ e $13\frac{17}{25}$ f $\frac{9}{200}$
 5 a 7.36 b 70.78 c 9.7
 6 a 43.4 b 17.12 c 1.9 d 4.81
 7

| Decimal | Fraction (cancelled to simplest form) | Percentage |
|---------|---------------------------------------|------------|
| 0.4 | $\frac{2}{5}$ | 40% |
| 0.65 | $\frac{13}{20}$ | 65% |
| 0.375 | $\frac{3}{8}$ | 37.5% |
| 0.03 | $\frac{3}{100}$ | 3% |
| 0.06 | $\frac{3}{50}$ | 6% |
| 0.17 | $\frac{17}{100}$ | 17% |

- 8 a \$5 b \$0.50 c \$0.18 d \$3
 9 a i $\frac{23}{100}$ ii 23% b i $\frac{2}{25}$ ii 8%
 c i $\frac{7}{20}$ ii 35% d i $\frac{7}{10}$ ii 70%

The homework book answers.

Answers

8E

- 1 (1, -3), (1, 5), (1, 0)
 2 (-4, -2), (5, -2), (0, -2), (2, -2)
 3 a 7 b 3 c 5
 d 6 e 13 f 10
 4 (5, -2)
 5 (5, -2), (-11, -2)
 6 possible answers: (2, 0), (2, 3), (2, 8)
 7 (-1, 1)
 8 (3, 2)

9A

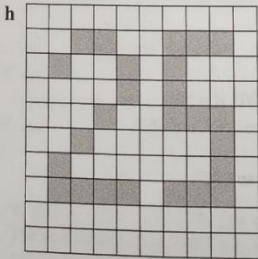
- 1 a 3600 b 41000 c 5700
 d 8.5 e 930000 f 66000
 g 80 h 650000 i 0.0053
 j 0.078 k 0.00366 l 0.000476
 m 0.003 n 0.5 o 0.000003
 2 a 4 b 2 c 8 d 0
 e 4 f 2 g 4 h 4
 3 a 540000 b 100 c 0.72 d 940
 4 34000
 5 a > b <

9B

- 1 a 6.4 b 3.8 c 5.0 d 32.0
 e 0.1 f 7.0 g 5.4 h 18.4
 i 454.0 j 6.0 k 8.9 l 53.0
 2 a 5.36 b 8.44 c 2.04 d 7.78
 e 15.49 f 4.30 g 10.02 h 45.56
 i 0.31 j 0.26 k 0.50 l 0.40
 3 a 5 b 5 c 8 d 16
 e 11 f 30 g 6 h 601
 4 a 25.16cm² b 25.2cm²
 5 a 2.33 b 0.71 c 1.36 d 1.18
 6 4.845

9C

- 1 a 43% b 66% c 40% d 32%
 e 18% f 20%
 g The percentage is the same as the number in the diagram.



- 2 a $\frac{43}{100}$ b $\frac{89}{100}$ c $\frac{77}{100}$ d $\frac{91}{100}$
 3 a 57% b 9% c 13% d 81%
 e 79%

9D

- 1 a $\frac{3}{5} = \frac{60}{100} = 60\%$
 b $\frac{11}{20} = \frac{55}{100} = 55\%$
 c $\frac{49}{50} = \frac{98}{100} = 98\%$
 d $\frac{6}{15} = \frac{2}{5} = \frac{40}{100} = 40\%$
 e $\frac{26}{40} = \frac{13}{20} = \frac{65}{100} = 65\%$
 2 a 20% b 75% c 90% d 85%
 e 84% f 66% g 24% h 75%
 i 95% j 60% k 80% l 74%
 3 a i $\frac{1}{2}$ ii 50%
 b i $\frac{7}{10}$ ii 70%
 c i $\frac{2}{5}$ ii 40%
 d i $\frac{11}{20}$ ii 55%
 4 a 47.5% b 62.5% c 20% d 63.2% (to + d.p.)

9E

1

| Decimal | Per cent fraction | % |
|-------------|-------------------|-----|
| 0.2 | $\frac{20}{100}$ | 20% |
| 0.09 | $\frac{9}{100}$ | 9% |
| 0.66 | $\frac{66}{100}$ | 66% |
| 0.15 | $\frac{15}{100}$ | 15% |
| 0.04 | $\frac{4}{100}$ | 4% |
| 0.7 | $\frac{70}{100}$ | 70% |

- 2 a 53% b 7% c 70% d 39%
 e 22% f 19% g 5% h 68%
 i 3.5% j 0.8% k 2.1% l 42.42%
 m 5.16% n 0.35% o 103% p 123.8%
 3 8.3% = 0.083 80% = 0.8
 3% = 0.03 380% = 3.8
 3.8% = 0.038 8% = 0.08
 38% = 0.38 830% = 8.3

The odd one out is 0.83.

- 4 a 19% b $\frac{3}{8}$ c 83% d 21%
 5 the star-shaped diagram
 6 0.64, 64.5%, $\frac{13}{20}$, $\frac{2}{3}$, $\frac{67}{100}$

9F

- 1 a \$40 b 16 m
 c 13 kg d 36 cm
 e 15 litres f \$90
 g 468 g h 23 kg
 i 18 km j \$21
 k 3 eggs l 663 bananas
 2 a 20% b 52

3

| Fruit | banana | mango | orange | pineapple |
|--------------------|--------|-------|--------|-----------|
| Percentage | 38% | 27% | 18% | 17% |
| Number of children | 152 | 108 | 72 | 68 |

- 4 85%
 5 60
 6 a \$0.28 b 167.7 km
 7 15% of 342 = 51.3

9G

1 a 300% b 660%

2 a 300 b 200 c 190 d 18
e 2 000 000

3 a 2 b 600 c 3 d 290

4 a 160 b 260 c 67.2 d 1320

5 a 250 b 150

6 a \$127.50 b \$425
c \$799 d \$722.50
e \$42.50 f \$212.50

7 \$840

8 \$9750

9 \$800

9H-9I

1 a $\frac{3}{4}$ b $\frac{6}{7}$ c $\frac{7}{8}$ d $\frac{2}{3}$

e $\frac{2}{5}$ f $\frac{4}{9}$

2 a $\frac{3}{10}$ b $\frac{3}{4}$ c $\frac{17}{20}$ d $\frac{17}{20}$

e $\frac{4}{7}$ f $\frac{74}{125}$

3 0.83 and $\frac{14}{17}$

4 $\frac{2}{5}, \frac{1}{2}, \frac{5}{8}, \frac{7}{10}, \frac{3}{4}, \frac{17}{20}$

5 a false b false c true

6 $\frac{7}{12} < \frac{3}{5} < \frac{13}{20} < \frac{2}{3}$

9J

- 1 a 6.7 b 7 c 9.2 d 9.9
e 9.3 f 6.42 g 8.58 h 10.05
- 2 a 5.77 b 12.33 c 4.33 d 22.12
e 173.94 f 86.962
- 3 \$29.38
- 4 $3.487 + 5.963 + 2.09$
- 5 a 46.37 s b 0.66 s
- 6 a 8.7, 10.6, 9.5 b 13.2, 13, 4.5
c 1.8, 4.7, 9.2
- 7 15.13 km
- 8 a 26.4 b 6.4 c 6.4 d 12.7
e 8.6 f 2.62 g 20.61 h 8.676
i 2.12 j 71.53 k 10.82 l 14.302
- 9 $18.065 - 15.64$

10 \$2.76

11 0.58 m

- 12 a i 3 ii 1 iii -5
b i 2.29 ii 1.03 iii -4.358

13 a $9.33 - 2.45 = 6.88$

b $8.46 - 5.72 = 2.74$

c $4.293 - 2.647 = 1.646$

- 14 a 6.25 b 10.68 c -5.39 d -3.7
e 7.85 f -0.53 g 0.59 h -5.8

9K

- 1 a 0.6 b 4.5 c 1.4 d 4.8
e 2.4 f 2.4 g 0.49 h 0.3
i 0.32 j 0.18 k 0.2 l 0.056
- 2 a 0.9 b 16 c 2.1
- 3 a 0.03 b 5

- 4 a 0.28 b 0.72
c 1.29 d 41.92
e 25.88 f 58.48
g 140.4 h 250
i 302.12 j 260.46
k 40.45 l 414.24

5 a \$87.40 b \$30.60 c \$39.75

6 a 6 b 7 c 8

9L

- 1 a 2.8 b 1.9 c 3.9 d 11.6
e 0.115 f 1.14 g 0.073 h 3.14
i 0.075 j 0.0087 k 0.327 l 0.324
m 0.057 n 0.93 o 0.82 p 0.234
q 18.8 r 0.0375 s 0.325 t 0.044

2 \$0.89

3 \$2.49

4 \$3.64

5 8 kg of bananas for \$19.60

6 a 0.132 b 4

7 a 3 b 4 c 5