

FDP: Mixture

Workout

Question 1:

- (a) 31% (b) 16% (c) 22% (d) 6% (e) 2% (f) 80%
(g) 40% (h) 18.5% (i) 20.4% (j) 9.2% (k) 124% (l) 280%

Question 2:

- (a) 0.18 (b) 0.27 (c) 0.6 (d) 0.03 (e) 0.55 (f) 0.8
(g) 0.01 (h) 0.092 (i) 0.415 (j) 0.008 (k) 1.8 (l) 3.15

Question 3:

- (a) $\frac{7}{10}$ (b) $\frac{2}{5}$ (c) $\frac{3}{20}$ (d) $\frac{22}{25}$ (e) $\frac{79}{100}$ (f) $\frac{1}{25}$
(g) $\frac{101}{250}$ (h) $\frac{1}{8}$ (i) $\frac{5}{8}$ (j) $\frac{123}{1000}$ (k) $1\frac{3}{5}$ (l) $\frac{9}{4}$

Question 4:

- (a) 0.3 (b) 0.6 (c) 0.81 (d) 0.45 (e) 0.125 (f) 0.475
(g) 0.875 (h) 0.65 (i) 0.66 (j) 1.9 (k) 4.15 (l) 3.075

Question 5:

- (a) $\frac{7}{10}$ (b) $\frac{3}{5}$ (c) $\frac{19}{20}$ (d) $\frac{6}{25}$ (e) $\frac{79}{100}$ (f) $\frac{41}{50}$
(g) $\frac{3}{8}$ (h) $\frac{9}{500}$ (i) $\frac{23}{200}$ (j) $\frac{3}{5000}$ (k) $1\frac{3}{5}$ (l) $2\frac{17}{20}$

Question 6:

- (a) 90% (b) 20% (c) 99% (d) 12% (e) 85% (f) 87.5%
(g) 17.5% (h) 37.5% (i) 86% (j) 61.5% (k) 55.6% (l) 265%

Question 7:

- (a) 0.8 (b) 0.23 (c) $\frac{3}{4}$
(d) 0.87 (e) $\frac{5}{8}$ (f) 1.1

(g) 43%

(h) $\frac{13}{10}$

(i) 2.8

Question 8:

(a) $0.19, \frac{1}{5}, \frac{1}{4}, 26\%, 0.3$

(b) $0.79, \frac{4}{5}, \frac{17}{20}, 88\%, 0.9$

(c) $11\%, \frac{1}{8}, 13\%, \frac{3}{20}, 0.2$

(d) $\frac{5}{8}, 65\%, \frac{2}{3}, 0.68, \frac{7}{10}$

(e) $0.9, \frac{19}{20}, 101\%, \frac{11}{10}, 1.2$

(f) $82\%, \frac{37}{40}, 1.5, \frac{5}{3}, \frac{7}{4}$

Question 9:

(a)

Fraction	Decimal	Percentage
$\frac{1}{10}$	0.1	10%
$\frac{4}{5}$	0.8	80%
$\frac{17}{100}$	0.17	17%
$\frac{3}{20}$	0.15	15%

(b)

Fraction	Decimal	Percentage
$\frac{11}{100}$	0.11	11%
$\frac{9}{20}$	0.45	45%
$\frac{17}{25}$	0.68	68%
$\frac{3}{8}$	0.375	37.5%

(c)

Fraction	Decimal	Percentage
$\frac{2}{3}$	0.666...	66.7%
$\frac{3}{1000}$	0.003	0.3%
$\frac{21}{200}$	0.105	10.5%
$\frac{9}{80}$	0.1125	11.25%

(d)

Fraction	Decimal	Percentage
$\frac{7}{5}$	1.4	140%
$\frac{19}{10}$	1.9	190%
$\frac{53}{20}$	2.65	265%
$\frac{11}{4}$	2.75	275%

Apply

Question 1: 60%

Question 2: $\frac{9}{50}$

Question 3: He is incorrect. $19\% = 0.19$ which is smaller than 0.2

Question 4: $\frac{29}{50}$

Question 5: $\frac{17}{50}$

Question 6: 92.5%

Question 7: 87.5%

Question 8: 85%

Question 9:

- (a) Maths – 72.3%
- English – 63.3%
- Science – 85%
- French – 91.7%
- German – 71.4%
- Music – 45.2%
- Geography – 67.9%
- History – 78.9%
- Welsh – 92.9%

(b) Welsh, French, Science