CHAPTER 28 Capacity

edco DIGITAL

1 Write the following as millilitres.

(a) 1l 100ml = 1100 ml (b) 2l 360ml = 2360 ml (c) 3l 600ml = 3600 ml

(d) 4l 905ml = 4905 ml (e) 5l 709ml = 5709 ml (f) 7l 820ml = 7820 ml

2 Write the following as litres and millilitres.

(a) 1250ml = 1 l 250 ml (b) 1875ml = 1 l 875 ml

(c) 4060ml = 4 l 60 ml (d) 5006ml = 5 l 6 ml

3 Write the following as millilitres.

(a) $\frac{1}{2}$l = 500 ml (b) $\frac{1}{4}$l = 250 ml (c) $\frac{3}{4}$l = 750 ml (d) $\frac{1}{10}$l = 100 ml

(e) $\frac{3}{10}$l = 300 ml (f) $\frac{1}{5}$l = 200 ml (g) $1\frac{4}{5}$l = 1400 ml (h) $3\frac{1}{2}$l = 3500 ml

4 What fraction of a litre are the following?

(a) 200ml = $\frac{1}{5}$ l (b) 600ml = $\frac{3}{5}$ l (c) 900ml = $\frac{9}{10}$ l

(d) 700ml = $\frac{7}{10}$ l (e) 250ml = $\frac{1}{4}$ l (f) 100ml = $\frac{1}{10}$ l

5 (a) 300ml = $\frac{3}{10}$ l (b) 2750ml = $2\frac{3}{4}$ l (c) 3500ml = $3\frac{1}{2}$ l

(d) 2250ml = $2\frac{1}{4}$ l (e) 1800ml = $1\frac{8}{10}$ l (f) 4900ml = $4\frac{9}{10}$ l

6 Write the following as litres using the decimal point.

(a) 1326ml = 1·326 l (b) 2435ml = 2·435 l (c) 3700ml = 3·7 l

(d) 4750ml = 4·750 l (e) 3400ml = 3·4 l (f) 4009ml = 4·009 l

7 Write the following as millilitres.

(a) 1.7l = 1700 ml (b) 5.98l = 5980 ml (c) 3.86l = 3860 ml

(d) 5.07l = 5070 ml (e) 6.90l = 6900 ml (f) 7.03l = 7030 ml

8 Circle the smaller amount in each pair.

(a) (1l) 1020ml (b) $1\frac{1}{4}$l, (1295ml) (c) 1.1l, (1001ml) (d) (3240ml) $3\frac{1}{4}$l

(e) 2.5l, (2050ml) (f) $3\frac{3}{4}$l, (3300ml) (g) ($3\frac{1}{10}$l) 3110ml (h) (4.75l) $4\frac{3}{4}$l

9 What must be added to each amount to make 8 litres?

(a) 4.2l 3 l 800 ml (b) $2\frac{3}{4}$l 5 l 100 ml

(c) 2.74l 5 l 260 ml (d) $3\frac{3}{4}$l 4 l 400 ml

(e) 1.65l 6 l 350 ml (f) $5\frac{1}{4}$l 2 l 750 ml

1 (a) l ml: 3 250 + 2 750 = 6 | (b) 2 740 + 1 650 = 4 390 | (c) 1 975 + 3 285 = 5 260 | (d) 4 764 + 3 678 = 8442 | (e) 5 595 + 4 679 = 10 274

2 (a) l: 2.38 + 3.69 = 6.07 | (b) 3.95 + 1.89 = 5.84 | (c) 4.36 + 2.85 = 7.21 | (d) 5.90 + 3.95 = 9.85 | (e) 4.58 + 5.65 = 10.23 | (f) 6.03 + 2.99 = 9.02

3 (a) l ml: 3 250 − 1 655 = 1595 | (b) 4 510 − 2 755 = 1755 | (c) 5 196 − 3 587 = 1609 | (d) 6 355 − 4 597 = 1758 | (e) 7 50 − 4 295 = 3755 | (f) 9 600 − 6 855 = 2745

4 (a) l: 4.58 − 2.95 = 1.63 | (b) 6.75 − 3.89 = 2.86 | (c) 5.60 − 2.75 = 2.85 | (d) 7.86 − 3.98 = 3.88 | (e) 9.50 − 6.85 = 2.65 | (f) 9.04 − 7.95 = 1.09

5 (a) l ml: 4 395 × 3 = 13185 | (b) 5 450 × 4 = 21800 | (c) 3 875 × 5 = 19375 | (d) 6 396 × 2 = 12792 | (e) 4 905 × 6 = 29430

6 (a) l: 3.37 × 4 = 13.48 | (b) 5.98 × 3 = 17.94 | (c) 4.05 × 9 = 36.45 | (d) 6.86 × 5 = 34.3 | (e) 7.90 × 8 = 63.2 | (f) 8.09 × 7 = 56.63

7 (a) l ml: 2 | 15 250 = 7625 | (b) 4 | 22 680 = 5670 | (c) 3 | 19 779 = 6593 | (d) 6 | 35 796 = 5966 | (e) 5 | 23 505 = 4701

8 (a) 3 | 11.61l = 3.87 | (b) 4 | 27.16l = 6.79 | (c) 5 | 42.75l = 8.55 | (d) 7 | 48.79l = 6.97 | (e) 6 | 50.04l = 8.34

9 The content of a 1½l bottle of water were divided equally among 6 children. How much water did each child receive? 250 ml

10 The total capacity of these 3 containers is 3.58l. What is the capacity of the can? 1330 ml

11 (a) How many 300ml glasses can be filled out of a 2.5l bottle of water? 8

(b) How much water will be left over? 100 ml

1. What is the total capacity of these 3 containers? 9 l 350 ml

2. Annette had 7 litres of milk in her fridge on Monday morning. The family used 2l 650ml on Monday and 3.75l on Tuesday. How much milk was left? 600 ml

3. How much juice is contained in a 6-pack if each carton contains 325ml?

1 l 950 ml

4. Which is greater, (a) or (b), and by how much?
(a) (7.25l ÷ 5) × 8 or (b) (16½l − 9.950) + 4l 850ml
b is greater by 1 l 100 ml

5. James used 10l 750ml of petrol travelling to Belfast and 10½l on the return journey.
(a) How much petrol did he use going to and from Belfast? 21 l ml
(b) If the tank contained 12.1l when he reached home, how much petrol was in the tank when he left Belfast? 22 l 350 ml
(c) Petrol is sold at €1.19 per litre. What did the petrol for the journey cost? € 24.99

6. (a) Write the correct amount in millilitres under each milk carton.
(i) Carton D contains ⅔ of milk.
(ii) Carton E contains 3 times as much as carton A.
(iii) Carton B contains 0.1l of milk.
(iv) Carton F contains twice as much as carton B and 4 times as much as carton C.

A	B	C	D	E	F
250ml	100	50	600	750	200

(b) What must be added to each carton to make 1 litre?

A	750 ml	B	900 ml	C	950 ml
D	400 ml	E	250 ml	F	800 ml

(c) The contents of carton A + carton E = 1 litre
(d) The contents of carton C + carton F = ½ litre
(e) The contents of carton D + carton F = ¾l
(f) The contents of carton A + carton C + carton F = 0.5l
(g) The contents of carton A + carton D − carton B = ¾l

CHAPTER 30 Chance

1 Choose possible, impossible or certain to match these pictures and sentences.

(a) Joanne will score a goal.

possible

(b) Peter will score 7 on 1 roll of the dice.

impossible

(c) Jack is taller than John.

certain

(d) It will rain before the children go home.

possible

(e) Áine has written the correct answer.

certain

(f) This baby will climb to the top of the Spire.

impossible

(g) Claire's dad is 2 years older than she is.

impossible

(h) This lady is hiding a bus behind her back.

impossible

(i) It is 8:30 now. It will be 9:00 in 30 minutes.

certain

(j) Nora has a live giraffe in her schoolbag.

impossible