EXERCISE 11

1. Multiply.

(a) $4.8 \times 23 =$ 1 2 4.8 × 23 144 +96 110.4 Remember 1 decimal place from right	(b) $6.51 \times 37 =$ 6.51 ← line up number with most digits on top. × 37 4557 +1953 240.87 2 decimal places from right.
(c) $23.97 \times 52 =$	(d) $705.8 \times 45 =$
(e) $0.59 \times 86 =$	(f) $3.09 \times 34 =$
(g) $16.47 \times 91 =$	(h) $72.15 \times 67 =$

Multiply.

1.8×12 36 18 21.6 Shade box below	0.74×34	2.53×29
46.6×67	0.92×53	0.58×91
1.86×25	7.39×48	42.08×36

Shade the spaces which contain the answers to the above. You will find the prize Andrew won.

Andrew

251.6	46.55	4.98	265.14	216	489.72
21.6	73.92	3122.2	48.76	45.83	527.8
500	25.16	73.37	354.72	52.78	1540.8
	128.54	312.32	553.09	46.5	354.72
		37.8			1514.88

T-shirt

watch

Andrew's prize is a _____.

EXERCISE 12

larger units to smaller units

1. Find the equivalent measures.

(a) 0.4 km = $\frac{1000}{1}$ $\frac{m}{km}$ = 400 m

use:
1000 meter = 1 km

= 400m

(b) 1.5 km = $\frac{1000}{1\ km}$ m = 1500 m

= 1500 m

use:
1 km = 1000 meters

(c) 0.09 kg = _____ g

(d) 0.43 m = _____ cm

(e) 1.25 ft = ____ ft ____ in.

(f) 4.75 lb = 4 lb 12 oz

4 lbs + 0.75 lbs

$\frac{3}{4}$ lbs $\left(\frac{16\ oz}{1\ lb}\right)$

= 12 oz

use:
1 lb = 16 oz

(g) 3.04 km = ____ km ____ m

(h) 3.8 ℓ = ____ ℓ ____ ml

EXERCISE 13

1. Find the equivalent measures. Express each answer as a decimal.

(a) 6 g = $\frac{1}{1000\ g}$ kg = .006 kg 1000 g = 1 kg	(b) 8 cm = _____ m
(c) 40 ml = _____ ℓ 300 g $\left(\frac{1\ kg}{1000\ g}\right)$ = .3 kg	(d) 54 m = _____ km
(e) 2 kg 300 g = 2.3 kg 2 kg + .3 kg = 2.3 kg	(f) 3 m 50 cm = _____ m
(g) 4 km 30 m = _____ km	(h) 2 ℓ 600 ml = _____ ℓ

EXERCISE 14

1. Find the equivalent measures. Express each answer as a decimal.

(a) 250 cm = _____ m	(b) 1080 g = _____ kg
(c) 3006 m = _____ km	(d) 2400 g = _____ kg
(e) 14 c = _____ qt	(f) 345 cm = _____ m
(g) 231 in. = _____ ft	(h) 3245 ml = _____ ℓ

REVIEW 1

Write the answers in the boxes.

1. Write the following in words.
   (a) 700,248

   (b) 2,109,035

2. Write the following in figures.
   (a) Eight hundred sixty thousand, seven hundred nine

   (b) Three million, forty

3. (a) What number is 0.01 more than 6.99?

   (b) What number is 0.01 more than 4.2?

4. (a) What number must be added to 634 to give the answer 1000?

   (b) What number must be added to 0.463 to give the answer 1?

5. (a) List all the factors of 100.

   (b) Which one of the following numbers is a common factor of 45 and 144?

   4, 5, 9, 45

(c) Write down the first two common multiples of 5 and 8.

6. What is the missing number in each ■?

(a) 160,000 + ■ + 80 = 167,080

(b) 776,085 − ■ = 746,085

(c) 1000 × ■ = 400,000

(d) 309,400 ÷ ■ = 3094

7. Express each fraction as a decimal.

(a) $2\frac{7}{10}$ =

(b) $\frac{308}{100}$ =

(c) $1\frac{3}{5}$ =

(d) $\frac{7}{4}$ =

8. Which one of the following is greater than 2 but less than 3?

$\frac{10}{3}$, $\frac{9}{5}$, $\frac{11}{4}$, $\frac{6}{2}$

9. Arrange the fractions in order, beginning with the greatest.

$\frac{5}{3}$, $\frac{7}{12}$, $2\frac{1}{2}$, $\frac{5}{8}$

10. Write −, +, × or ÷ in each ◯.

(a) 82.72 ◯ 10 = 72.72

(b) 4.6 ◯ 100 = 104.6

(c) 3.64 ◯ 10 = 36.4

(d) 28.6 ◯ 100 = 0.286

11. Find the product of 5000 and 800.

12. Find the product of $\frac{4}{5}$ and $\frac{5}{8}$.

13. Write the missing numbers.

(a) 0.25 m = ☐ cm (b) 2.4 kg = ☐ g

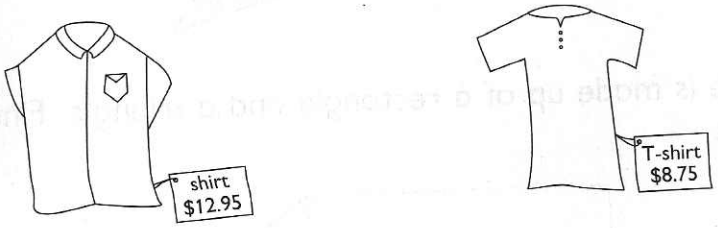
14. Write the missing decimals.

(a) 580 g = ☐ kg (b) 4600 m = ☐ km

(c) 2 ℓ 4 ml = ☐ ℓ

15. Out of 1024 people in a theater, 425 are men, 480 are women and the rest are children. How many more adults than children are there?

16.



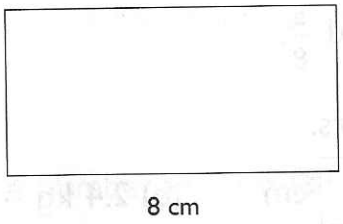
Jean bought 2 shirts and 3 T-shirts. How much did she pay altogether?

17. There are 35 children in a class. $\frac{3}{5}$ of them can swim. How many children cannot swim?

18. A piece of ribbon $\frac{2}{5}$ m long is cut into 4 equal pieces. Find the length of each piece in meters.

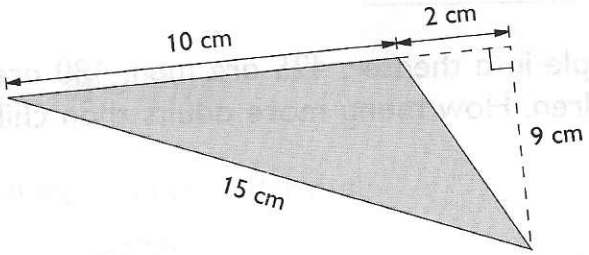
19. Amy bought 10 m of cloth. She used 2.35 m of the cloth to make an apron. She cut the remaining cloth into 5 equal pieces. Find the length of each piece in meters.

20.

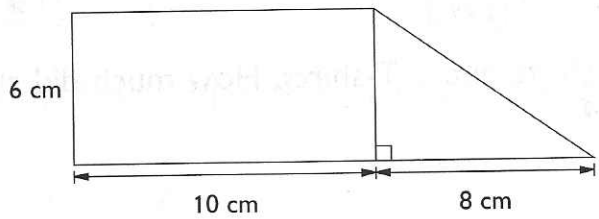


Find the ratio of the length to the perimeter of the rectangle. Give the answer in its simplest form.

21. Find the area of the shaded triangle.



22. The figure is made up of a rectangle and a triangle. Find the area of the figure.



23. String A is 30 cm longer than String B. String B is 60 cm longer than String C. The total length of the three strings is 3 m. Find the length of String C.

24. Adam bought 8 note pads at $1.45 each and 10 towels. He gave the cashier $100 and received $46 change. Find the cost of a towel.

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25. A group of children went swimming. $\frac{3}{8}$ of them were girls. If there were 40 boys, how many children were there altogether?

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26. Three boys, Juan, Seth and Jared shared a number of stamps in the ratio 3 : 5 : 7. If Seth received 45 stamps, how many more stamps did Jared receive than Juan?