

Kilograms and Kilometres

1. Complete the conversion tables.

metres	kilometres
	4.5 km
6,250 m	
	3.7 km

grams	kilograms
750 g	
	7.4 kg
5,800 g	

VF

4. Pamela is converting metres to kilometres.



Metres are smaller than kilometres, so to convert metres to kilometres I divide by 1,000.

Is Pamela correct?
Explain how you know.

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2. Insert the correct comparison symbol (<, >, =) to make these statements correct.

- A. 4.3 kg 43,000 g
- B. 1,200 m 1.2 km
- C. 2,600 g $2\frac{1}{4}$ kg
- D. $3\frac{4}{10}$ km 340 m

VF

5. Follow the clues to help you order the weight of the birds from lightest to heaviest.



The owl weighs half of 3.5 kg.



The parrot weighs 3 quarters of a kg less than 2,050 g.



The pelican weighs 8 tenths of a kg more than 1.6 kg.

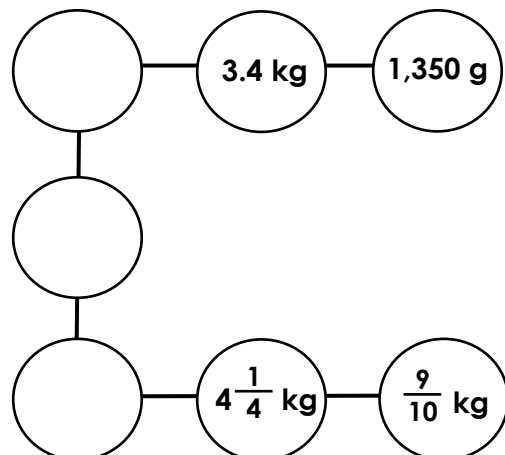
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3. Complete the calculations.

- A. $8\text{ kg} + \frac{3}{4}\text{ kg} = \text{_____ g}$
- B. $5\text{ km} + \text{_____ km} = 5,600\text{ m}$
- C. $\text{_____ g} + 300\text{ g} = 9.3\text{ kg}$
- D. $7,000\text{ m} + \text{_____ m} = 7\frac{8}{10}\text{ km}$

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6. Complete the circles so that each line adds up to 7.5 kg. Give your answers in kilograms.



PS

Kilograms and Kilometres

1.

metres	kilometres
4,500 m	4.5 km
6,250 m	$6\frac{1}{4}$ or 6.25 km
3,700 m	3.7 km

grams	kilograms
750 g	$\frac{3}{4}$ or 0.75 kg
7,400 g	7.4 kg
5,800 g	$5\frac{8}{10}$ or 5.8 kg

2. A. <; B. =; C. >; D. >

3. A. 8,750 g; B. 0.6 or $\frac{6}{10}$ km; C. 9,000 g; D. 800 m

4. Pamela is correct. Metres are smaller than kilometres. We can divide the metres into thousands to find out the equivalent kilometres. She could use an example to prove her method works. $2,400 \text{ m} \div 1,000 = 2.4 \text{ km}$.

5. The parrot is the lightest. $2,050 \text{ g} - 750 \text{ g} = 1,300 \text{ g}$ or 1.3 kg or $1\frac{3}{10}$ kg.

The owl is the next heaviest. Half of 3.5 kg is 1.75 kg or 1,750 g or $1\frac{3}{4}$ kg.

The pelican is the heaviest. $1.6 \text{ kg} + 0.8 \text{ kg} = 2.4 \text{ kg}$ or $2\frac{4}{10}$ kg or 2,400 g.

6.

