



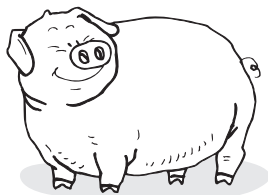
- mass

**A. Put the units in order. Then draw lines to show which units should be used to measure the weights of the objects.**

	t	mg	kg	g
smallest unit	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
largest unit	_____	_____	_____	_____

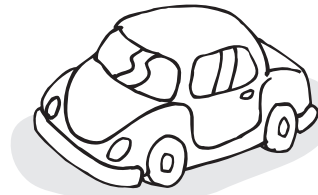
**B. Circle the best estimate for the mass of each object.**

1.



18 g  
42 kg  
6 t

2.



500 kg  
20 t  
2 t

3.



3 mg  
9 g  
1 kg

4.



5 g  
12 g  
500 mg

**C. Do the conversions.**

- |                      |                       |
|----------------------|-----------------------|
| 1. 2 kg = _____ g    | 2. 5 g = _____ mg     |
| 3. 1800 g = _____ kg | 4. 250 g = _____ kg   |
| 5. 0.9 t = _____ kg  | 6. 44 mg = _____ g    |
| 7. 0.5 kg = _____ g  | 8. 4200 kg = _____ t  |
| 9. 360 mg = _____ g  | 10. 0.02 t = _____ kg |

**D. Circle the largest mass.**

- |                |                |                  |
|----------------|----------------|------------------|
| 1.             | 2.             | 3.               |
| 50 kg          | 170 mg         | 0.002 t          |
| 0.4 t    600 g | 1.6 kg    80 g | 0.4 kg    8600 g |

**E. Answer the questions.**

1. Which mass is the closest to 5 kg? Explain.

\_\_\_\_\_

\_\_\_\_\_

**Mass**

4.8 kg    6.2 kg  
4900 g    6 kg

2. Kate weighs 46 kg and Jim weighs 52 000 g. What is the difference of their weights in grams and kilograms?

\_\_\_\_\_



- mass

**A. Put the units in order. Then draw lines to show which units should be used to measure the weights of the objects.**

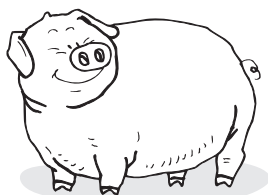
Units: **t   mg   kg   g**

smallest unit  
↓  
largest unit

mg  
g  
kg  
t

**B. Circle the best estimate for the mass of each object.**

1.

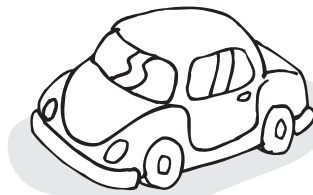


18 g

42 kg

6 t

2.



500 kg

20 t

2 t

3.



3 mg

9 g

1 kg

4.



5 g

12 g

500 mg

**C. Do the conversions.**

- |                           |                           |
|---------------------------|---------------------------|
| 1. 2 kg = <u>2000</u> g   | 2. 5 g = <u>5000</u> mg   |
| 3. 1800 g = <u>1.8</u> kg | 4. 250 g = <u>0.25</u> kg |
| 5. 0.9 t = <u>900</u> kg  | 6. 44 mg = <u>0.044</u> g |
| 7. 0.5 kg = <u>500</u> g  | 8. 4200 kg = <u>4.2</u> t |
| 9. 360 mg = <u>0.36</u> g | 10. 0.02 t = <u>20</u> kg |

**D. Circle the largest mass.**

- |                    |                    |                      |
|--------------------|--------------------|----------------------|
| 1.                 | 2.                 | 3.                   |
| 50 kg              | 170 mg             | 0.002 t              |
| <u>0.4 t</u> 600 g | <u>1.6 kg</u> 80 g | 0.4 kg <u>8600 g</u> |

**E. Answer the questions.**

1. Which mass is the closest to 5 kg? Explain.

4900 g is the closest. The difference of 5 kg and  
4900 g is 100 g, which is the least.

**Mass**

4.8 kg    6.2 kg  
 4900 g    6 kg

2. Kate weighs 46 kg and Jim weighs 52 000 g. What is the difference of their weights in grams and kilograms?

The difference of their weights is 6000 g or 6 kg.