

Master Maths 8 Worksheet 19

Rates 1

19

Name: _____

1. If 3 kg of potatoes costs \$1.50, how much will 10 kg of potatoes cost?

Rate \$/kg

\$

2. Which of the following dog foods represents the best value?

Rate \$/kg **A** 500g for \$2.00

B 1 kg for \$3.80

Rate \$/kg **C** 2 kg for \$7.80

3. An ostrich can run 80 metres in 4 seconds. How far would it run in 30 seconds at the same speed?

Rate m/s

metres

4. Sally wants to purchase new carpet for her home. She selects one which costs \$620 for 5 metres. Her home requires 12 metres. How much will the carpet cost?

Rate \$/m

\$

5. A particular car can travel 500 km on 50 litres of fuel.

(a) How far would it travel on 20 litres?

Rate km/l

km

(b) How many litres would be used on a trip of 100 km?

litres

6. Which of these two cars provides better fuel economy?

Car A travels 400 km on 12 litres.

Rate km/l

Car B travels 500 km on 16 litres.

Rate km/l

7. The dose for a certain medicine is 2 ml for every 10 kg of body weight of the person.

Rate ml/kg
How much medicine should be given to the people below?

(a) Alex who weighs 30 kg.

mL

(b) Amelia who weighs 55 kg.

mL