 Name: ..... Date: .....

Multiply by 10, 100 and 1000

Don't use a calculator for this sheet

1 What is eight hundred and forty divided by ten?

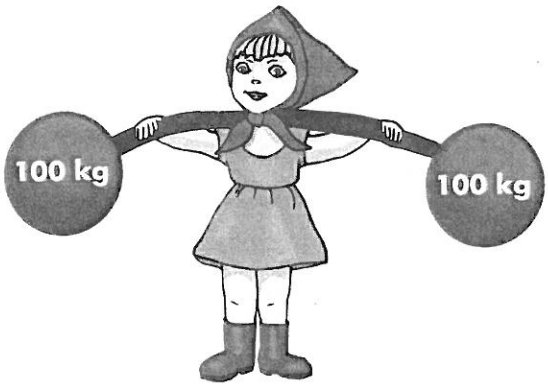
2 Fill in the missing numbers.

a) $17 \times \square = 1700$

b) $\square \div 10 = 157$

c) $100 \times \square = 2300$

d) $3600 \div \square = 36$



3 Work out the answers to these problems:

a) What number is 100 times bigger than 45?

b) What number is 10 times smaller than 5620?

c) What number is 10 times bigger than 27?

d) What number is 100 times smaller than 8600?

4 Stickers are sold in sheets of 10.

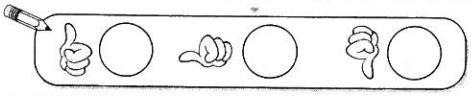
I need six hundred and eighty stickers. How many sheets must I buy?

Activity

60 × 7 = 420 is based on 6 × 7 = 42. List three other multiplications based on 6 × 7 = 42 and work out the answer to each. Now do the same with 3 × 8 = 24.

Learning Objective:

"I can multiply and divide numbers by 10 and 100."



Multiply by 10, 100 and 1000

Don't use a calculator for this sheet

1 **Answer these questions:**

a) How many tens are there in one hundred?

b) How many hundreds are there in one thousand?

c) How many tens are there in one thousand?

2 **Fill in the missing numbers.**

a) $25 \times 10 =$ ☐

b) $5400 \div$ ☐ $= 5.4$

c) $420 \div$ ☐ $= 100$

d) $56.4 \times 10 =$ ☐

e) $73.6 \times 100 =$ ☐

f) $17.8 \div$ ☐ $= 1.78$

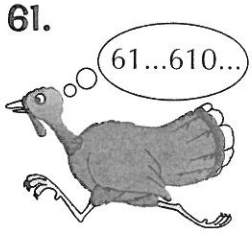
g) ☐ $\times 1000 = 16\,000$

3 **Katie puts 100 2p coins edge to edge across a playground.**

Each coin is 2.5 cm wide. How long is the line of coins?

4 **Greg is thinking of a number.**

He divides the number by 100 and then by 10. His answer is 61.
What number was he thinking of? Show your working.

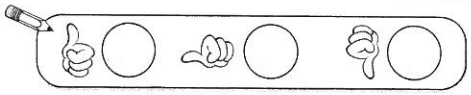


Activity

Find a simple cake recipe. Calculate how much of each ingredient you would need to make a hundred cakes. How much would you need to make one tenth of one cake?

Learning Objective:

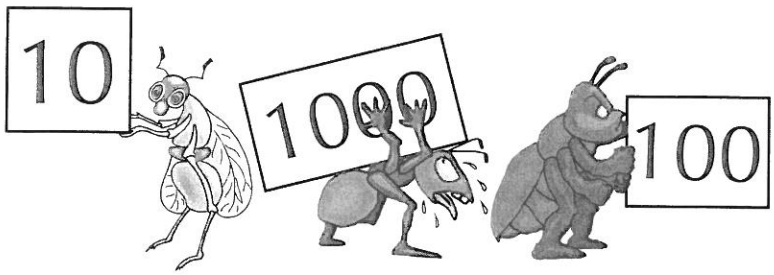
"I can multiply and divide decimals by 10, 100 and 1000."



 Name: ..... Date: .....

Multiply by 10, 100 and 1000

1 Match each number card to a calculation and write it in the correct box.



a) $4.3 \times \square = 430$

b) $72 \div \square = 7.2$

c) $6.5 \times \square = 6500$

2 Calculate:

a) $75 \times 100 =$ ☐

b) $240 \div 2.4 =$ ☐

c) $2.1 \times 10 =$ ☐

d) $8.2 \div 10 =$ ☐

3 How many hundreds are there in four thousand six hundred?

☐

4 Farmer Brown has 100 giant chickens.

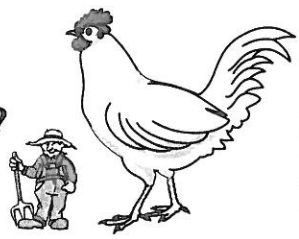
He uses 73 kg of corn each day. Each chicken eats an equal amount.

a) How much corn does each chicken eat?

☐

b) How much corn would the farmer need to feed 110 chickens?

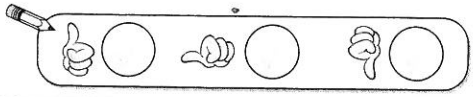
☐



Activity Choose a 2-digit number. Multiply your number by 10. Now divide your original number by 10. Add the two numbers together. What do you notice? Try it with other numbers.

Learning Objective:

"I can multiply and divide numbers by 10, 100 and 1000 in my head."



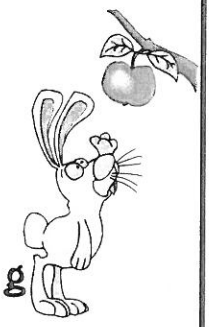
Key Objective

Units and Measures

1 Write three and a half kilometres using these different units.

metres ☐ centimetres ☐

2 Circle the correct amount to complete the sentences.



a) Cardiff to London is about: 240 cm 240 m 240 km

b) An apple is likely to have a mass of about: 14 g 140 g 1400 g

c) The capacity of a saucepan is likely to be about: 2.5 ml 25 ml 2.5 l

d) The height of a room is likely to be about: 250 mm 250 cm 250 m

3 Write these distances in order from smallest to largest.

2 m	250 cm	20 cm	200 m	2 km	2.6 m
☐	☐	☐	☐	☐	☐

4 Estimate the length of the lines below.

Check your estimate by measuring the lines and writing the answer to the nearest half centimetre.

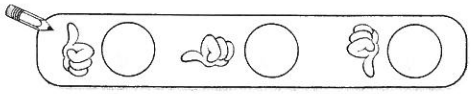
a) _____ Estimate ☐ Length ☐

b) _____ Estimate ☐ Length ☐

Activity Find some pencils and estimate their lengths in centimetres. Then check your estimates by measuring the pencils. Round your answers to the nearest half centimetre.

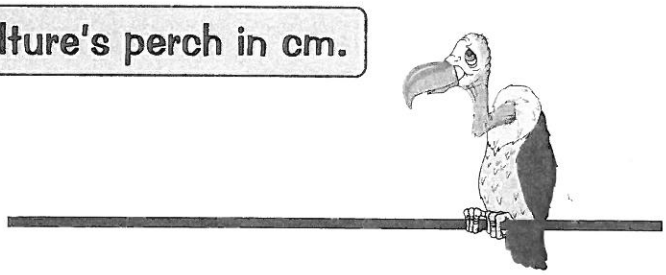
Learning Objective:

"I can estimate and measure a length using metres, centimetres or millimetres."



Units and Measures

1 Estimate the length of the vulture's perch in cm.



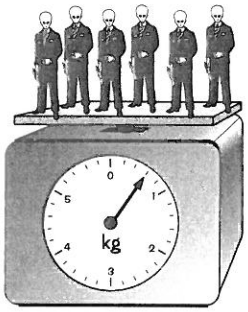
cm

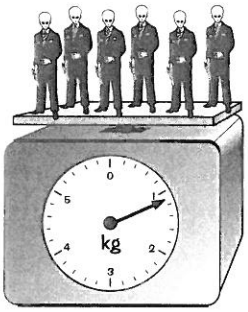
Check your estimate by measuring the perch to the nearest centimetre.

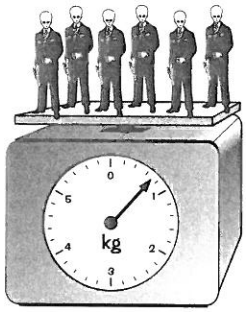
cm

2 One alien has a mass of 125 g. What is the mass of 6 aliens?

Tick the scale which shows the correct reading.







3 Joanne has 2 vases.

The first vase is full and contains 2.8 litres of water.
The second vase is half the capacity of the first and is half filled with water.

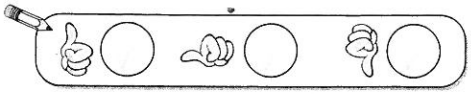
How much water does the second vase contain in ml?

Activity

Find a bag with lots of the same item in, such as a bag of apples, and measure the mass of one of them. Count the items in the bag and estimate the mass of the contents of the whole bag. Then measure the mass of the whole bag. How close was your estimate to the real mass?

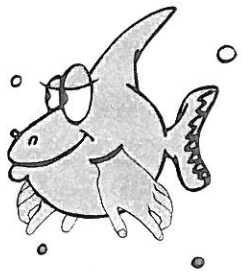
Learning Objective:

"I can estimate and measure length, mass and capacity."



Units and Measures

1 **Mel buys a packet of fishfingers at the supermarket.**



The packet has a mass of 800 g and contains 40 fishfingers.

a) How much is 800 g in kilograms?

b) How many grams less than 1 kilogram is the packet of fishfingers?

c) What is the mass of one fishfinger?

2 **Convert the kilogram masses to grams.**

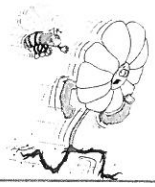
a) 3.6 kg

b) 4.5 kg

c) 9.9 kg

3 **Min goes running after school. She records how far she runs each day.**

	Day 1	1700 m
	Day 2	3.8 km
	Day 3	4.3 km



a) Which day did she run the furthest?

b) How many metres did she run in total on the three days?

Activity Find out how far it is in km from your home to the nearest airport. Then convert the distance to metres and then centimetres.

Learning Objective:

"I can convert larger to smaller units."