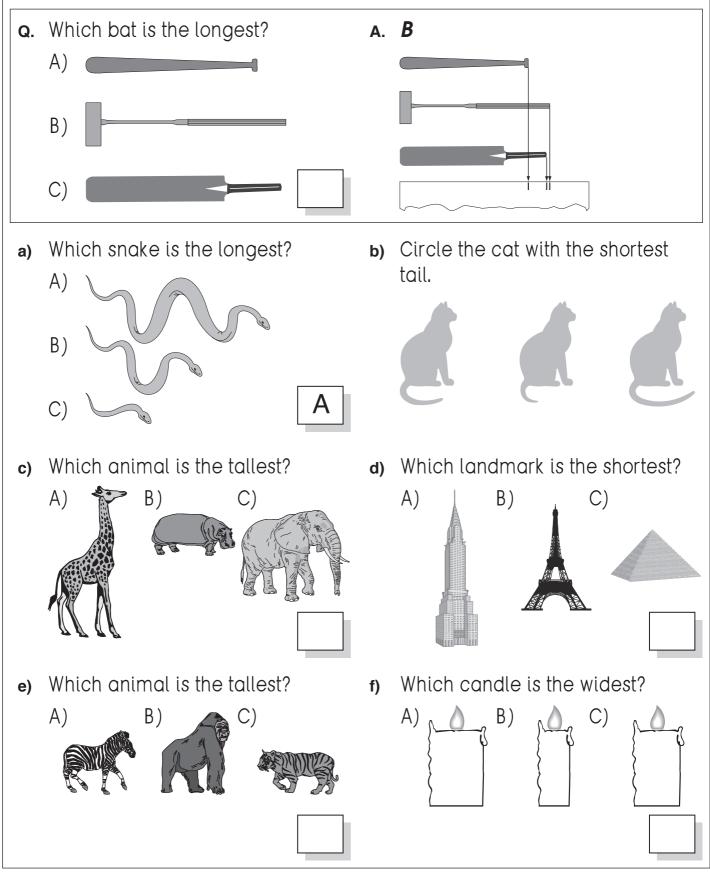
15. [Measuring]

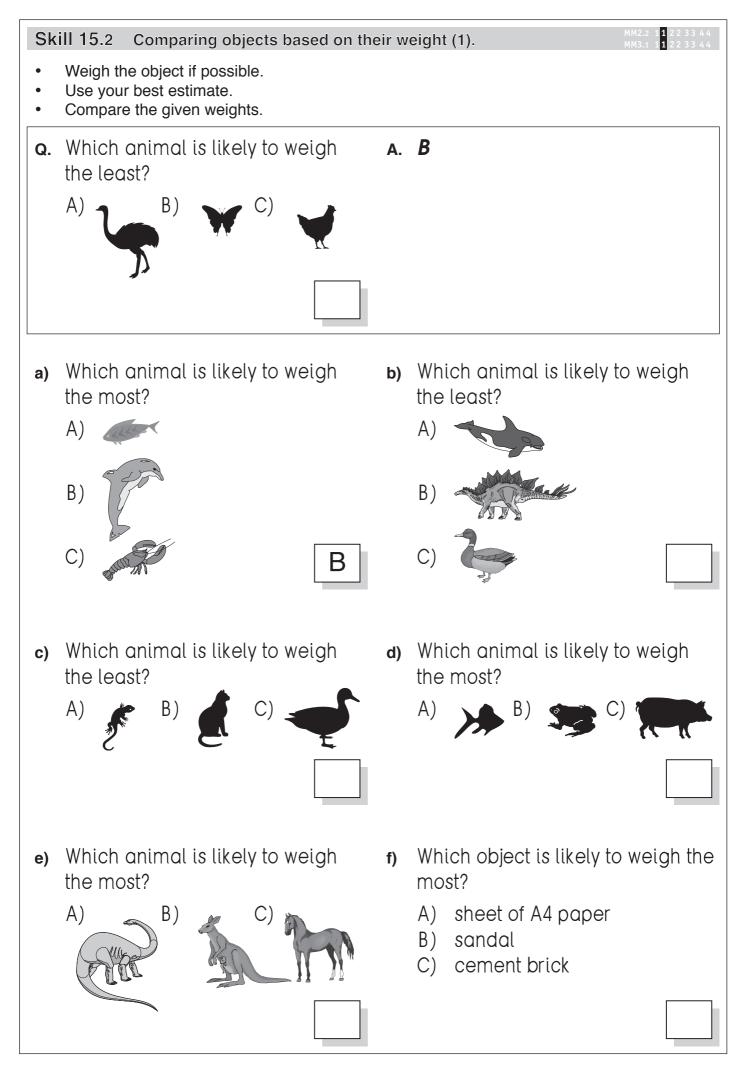
Skill 15.1 Comparing objects based on their length (1).



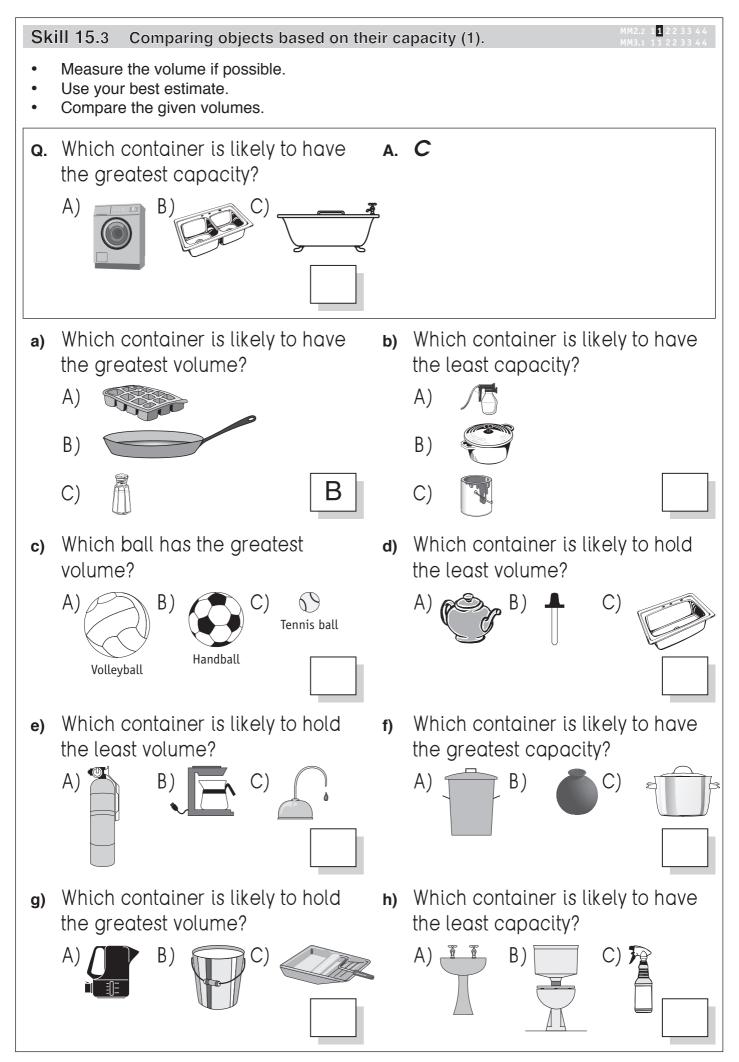
- Use a piece of string, paper or a ruler to check the length of each object if possible.
- Use your best estimate.
- Compare the given lengths.



Skill 15.1Comparing objects based on their length (2).MM2.21223344MM3.11223334				
g)	Circle the rabbit with the longest ears.	h)	Which ship is the longest? A) B) C) C)	
i)	 Which is likely to be the longest? A) car B) scooter C) train 	j)	 Which is likely to be the shortest? A) cup B) toaster C) kettle 	
k)	 Which is likely to be the shortest? A) sword B) javelin C) relay baton 	I)	 Which person is likely to be the tallest? A) baby B) woman C) child 	
m)	 Which is likely to be the widest? A) window B) doorway C) driveway 	n)	 Which is likely to be the longest? A) broom B) axe C) toilet brush 	
0)	 Which is the shortest? A) paper clip 4 centimetres B) hair brush 20 centimetres 	p)	 Which rail trip is the longest? A) The TranzAlpine 223 kilometres B) The Coastal Pacific 348 kilometres 	
q)	 Which river is the shortest? A) Taieri River 288 kilometres B) Waikato River 425 kilometres 	r)	 Which shrub is the shortest? A) Common Heath 2 metres B) Golden Wattle 4 metres 	



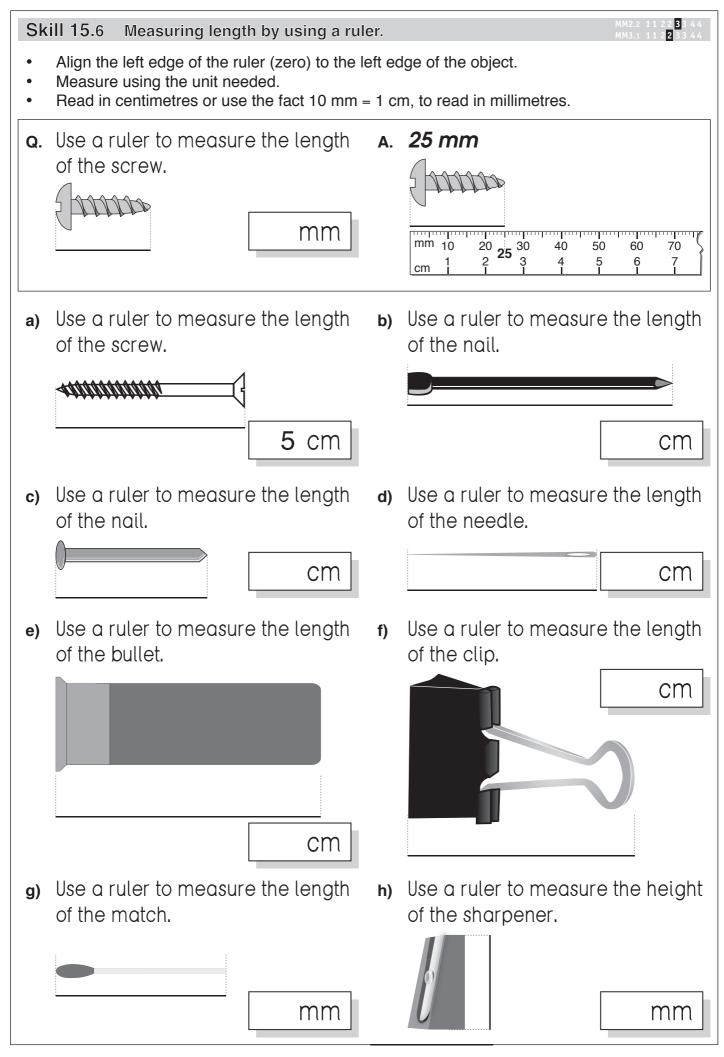
Skill 15.2Comparing objects based on their weight (2).MM2.2122344MM3.1122344				
g)	 Which object is likely to weigh the most? A) banana B) cherry C) strawberry 	h)	 Which object is likely to weigh the least? A) ship B) paper plane C) bicycle 	
i)	 Which object is likely to weigh the most? A) television B) refrigerator C) microwave oven 	j)	 Which object is likely to weigh the least? A) candy bar B) bag of cement C) bag of potatoes 	
k)	 Which object does not weigh about 1 kilogram? A) a clothes iron B) a teaspoon C) a bicycle pump 	I)	 Which object does not weigh about 1 kilogram? A) a bunch of 5 bananas B) a medium rockmelon C) iPad 	
m)	What is the total weight of a stack of 50 TV guides? TV guide = 30 grams	n)	What is the total weight of 3 pecan pies? pecan pie = 900 grams	
0)	How much more does a tennis racquet weigh than a squash racqet? A) squash racquet = 150 grams B) tennis racquet = 280 grams	p)	How much more does a can of fruit weigh than a can of soup? A) can of fruit = 825 grams B) can of soup = 420 grams	

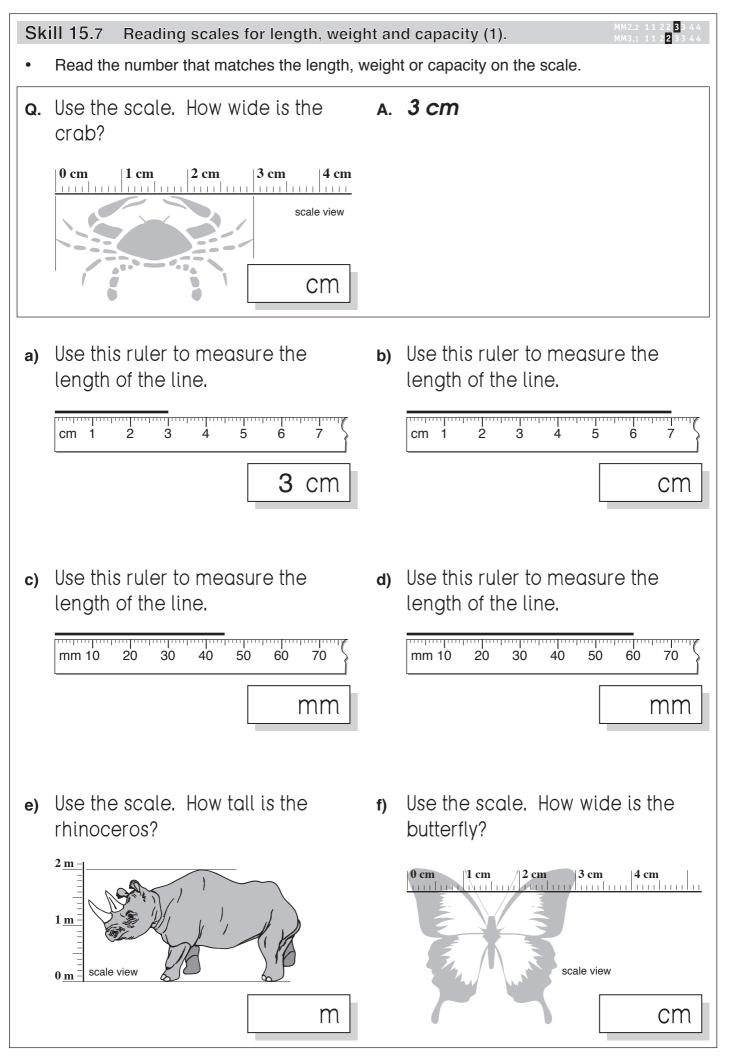


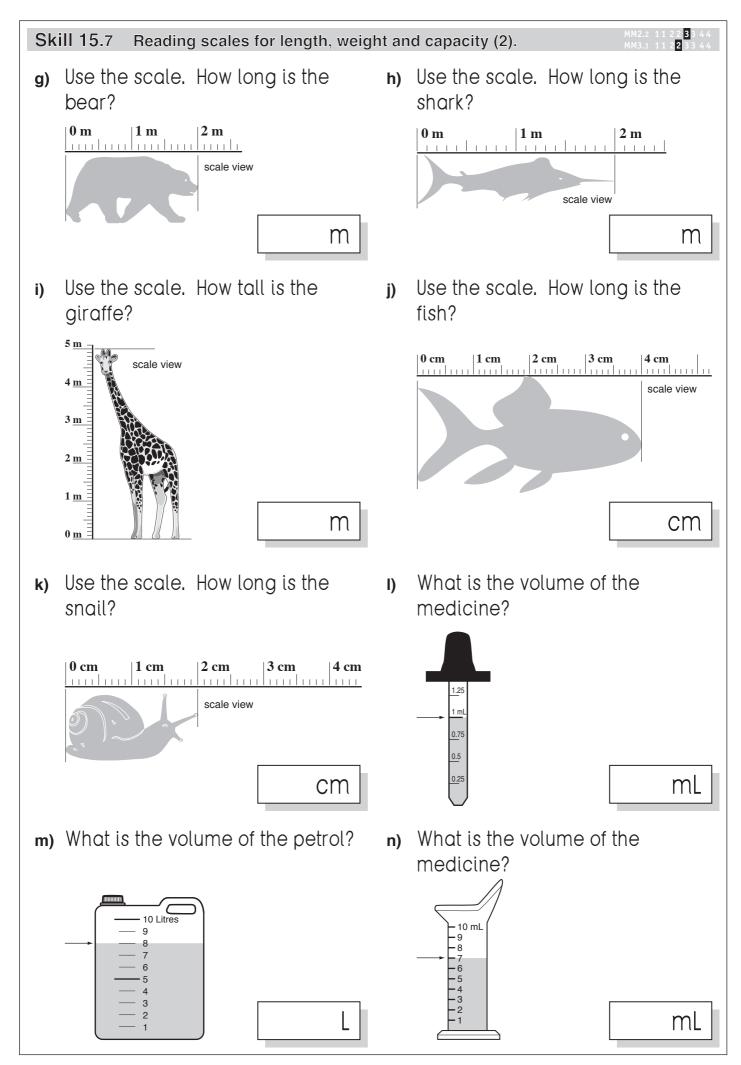
Sk	Skill 15.3 Comparing objects based on their capacity (2).				
i)	 Which object is likely to have the greatest capacity? A) thimble B) tea cup C) match box 	j)	Which object is likely to least capacity?A) petrol canB) wine barrelC) jam jar	have the	
k)	 Which object is likely to have the greatest capacity? A) bird bath B) swimming pool C) kitchen sink 	I)	Which object is likely to greatest volume?A) baby's bottleB) drink bottleC) esky	hold the	
m)	 Which object is likely to hold the least volume? A) watering can B) cement mixer C) wheelbarrow 	n)	How many more litres of wheelbarrow hold than bin? rubbish bin = 125 litres wheelbarrow = 170 litre	a rubbish	
0)	How many times would you have filled the sprayer if you used 64 litres of spray? back pack sprayer = 8 litres	p)	How many more millilit liquid in the sauce both salad dressing bothe? A) sauce bothe = 500 B) salad dressing both = 330 millilitres	le than the millilitres	
q)	What is the total volume of an egg? egg yolk = 22 mL egg white = 30 mL 	r)	What is the total volum can and a drink bottle? soda can = 375 millilitr drink bottle = 330 millili	es	

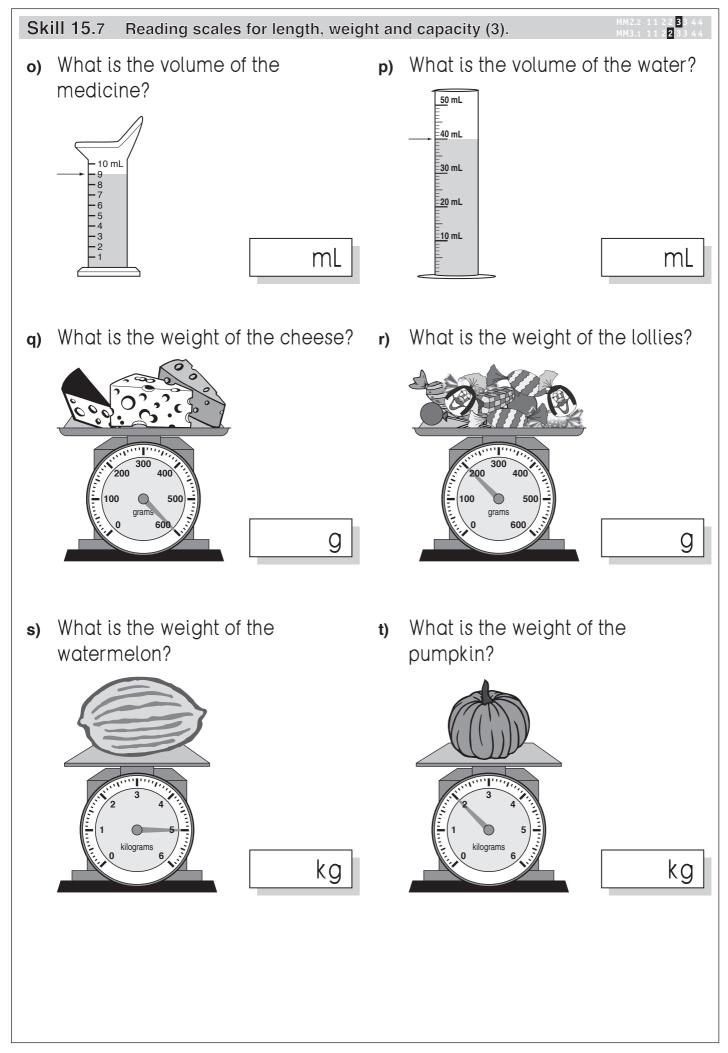
Sk	Skill 15.4 Estimating length, weight and capacity by using the standard MM2.2 11 22 33 44 units of measurement.			
Mea •	Asuring an object Check with a measuring instrument the given unit of length, weight or capacity. Compare the object with the unit.	Co •	mparing objects Check with a measuring instrument the given unit of length, weight or capacity. Measure the given objects, if possible.	
Q.	Which object is not about1 centimetre long?A) USB driveB) finger nailC) staple	A.	A A) m C) 1 cm	
a)	A mug holds: A) less than a litre B) about a litre C) more than a litre	b)	 The length of a calculator is: A) less than a metre B) about a metre C) more than a metre 	
c)	 An orange weighs: A) less than a kilogram B) about a kilogram C) more than a kilogram 	d)	 The length of a lamp post is: A) less than a metre B) about a metre C) more than a metre 	
e)	 Which item weighs about 1 kilogram? A) BBQ B) clothes iron C) spoon 	f)	 Which item would hold about 1 litre? A) washing machine B) thimble C) carton of milk 	
g)	 Which object is about 1 centimetre long? A) biro B) envelope C) drawing pin 	h)	Which object is not about 1 metre high? A) guitar B) ukulele C) cello	
i)	 Which item would hold about 1 litre? A) thermos B) pen refill C) milk vat 	j)	Which object is about 1 metre high? A) stilts B) pogo stick C) roller blades	

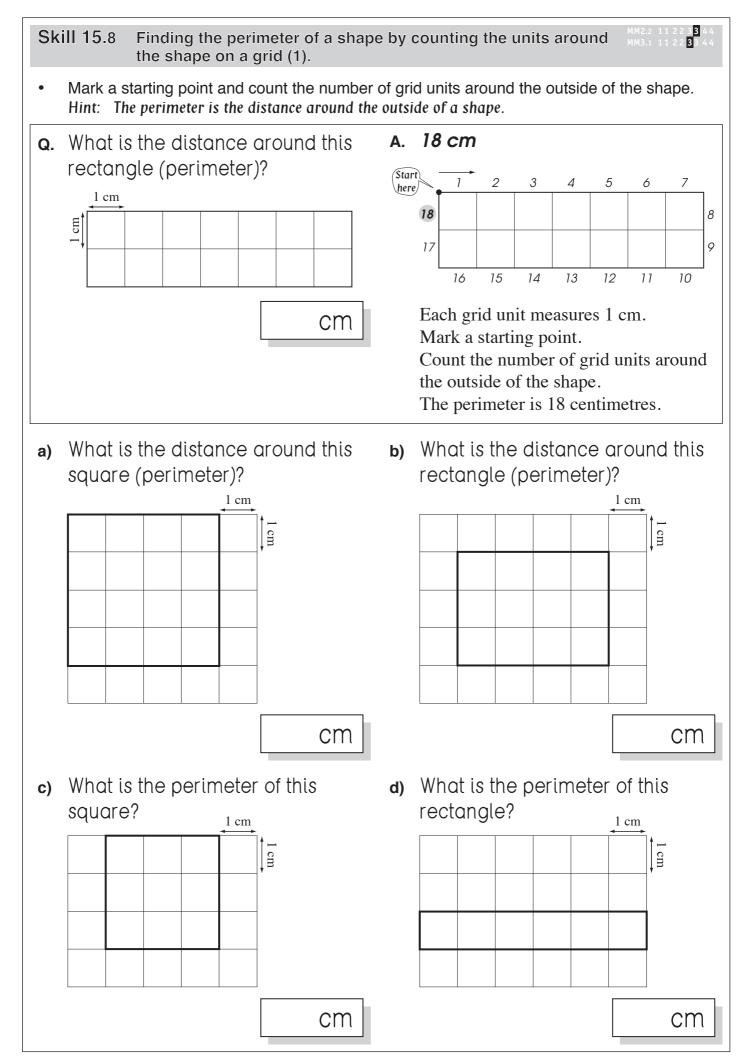
Sk	Skill 15.5 Selecting the appropriate units of measurement. MM2.2 11 2 33 44 MM3.1 11 22 33 44 MM3.1 11 22 33 44			
Ch •	oosing the type of unit Consider which units measure length, weight or capacity.	Ch •	Consider the amount of each unit and what is reasonable.	
Q.	Which unit measures the length of a pencil? A) millimetre (mm) B) metre (m)	Α.	A A millimetre looks like this: - A metre is over 3 times the length of this page. This is a possible pencil length.	
			So the length of a pencil is measured in	
a)	Which unit measures the volume of juice in a jug? A) metre (m) B) litre (L) C) gram (g)	b)	millimetres not metres. Which unit measures the length of a piece of wood? A) litre (L) B) kilogram (kg) C) millimetre (mm)	
c)	 Which unit measures the volume of water in a puddle? A) kilometre (km) B) kilogram (kg) C) litre (L) 	d)	Which unit measures the weight of a new born chick? A) kilogram (kg) B) gram (g)	
e)	Which unit measures the length of a paper clip? A) centimetre (cm) B) metre (m)	f)	Which unit measures the weight of a bag of cement? A) kilogram (kg) B) gram (g)	
g)	Which unit measures the width of a mobile phone?A) kilometre (km)B) centimetre (cm)	h)	Which unit measures the volume of medicine in an eye dropper?A) millilitre (mL)B) litre (L)	
i)	 Which unit is most commonly used to measure the length of a highway? A) centimetre (cm) B) kilometre (km) C) metre (m) 	j)	Which unit is most commonly used to measure the capacity of a swimming pool? A) litre (L) B) millilitre (mL)	

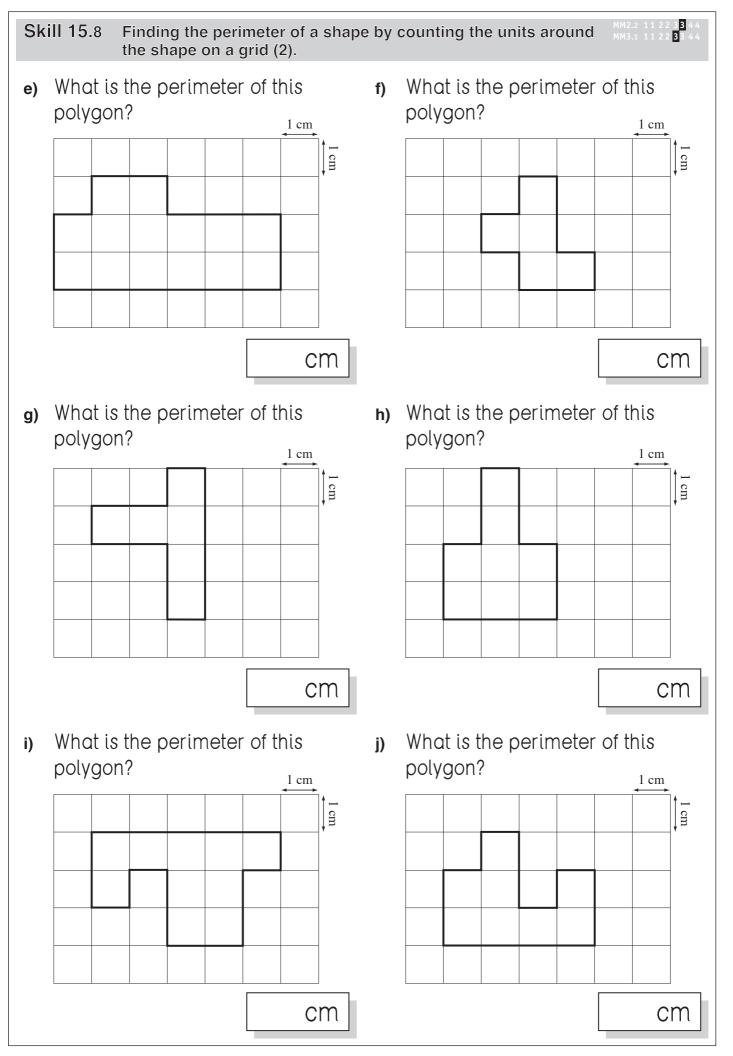


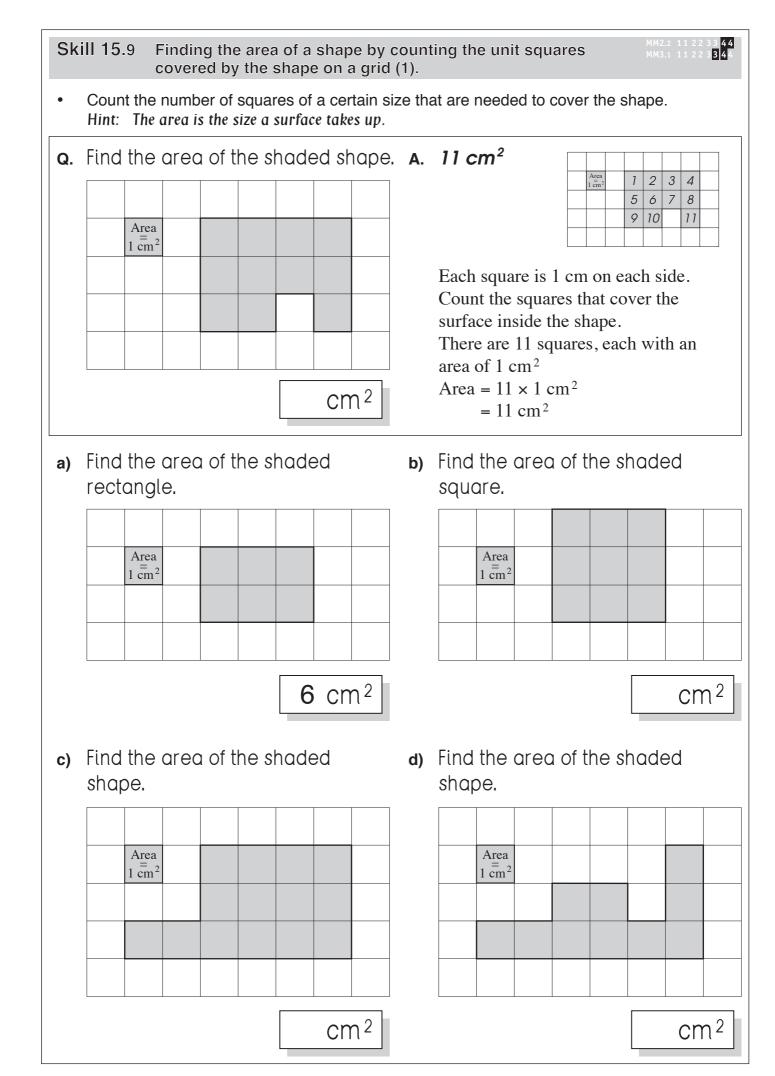


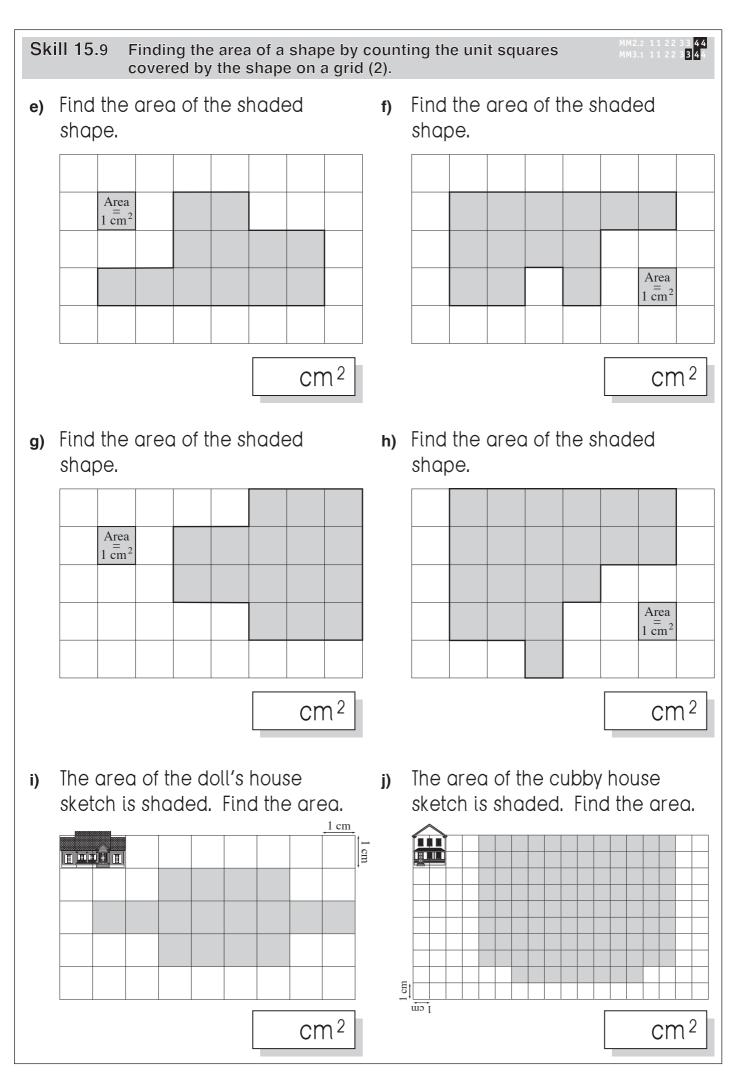


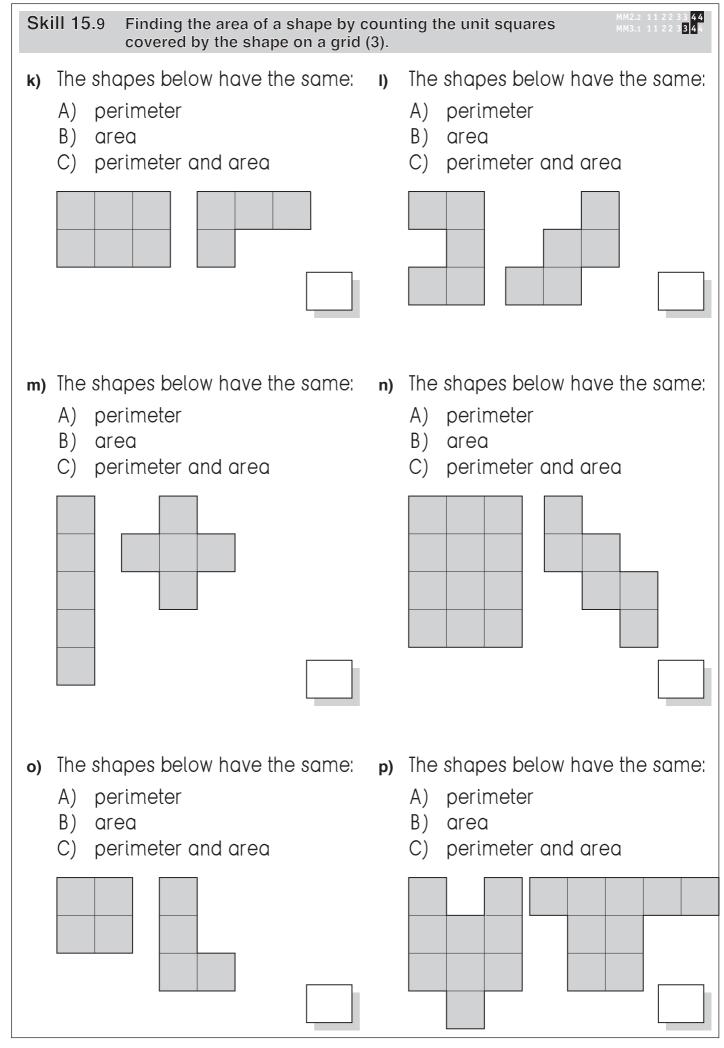


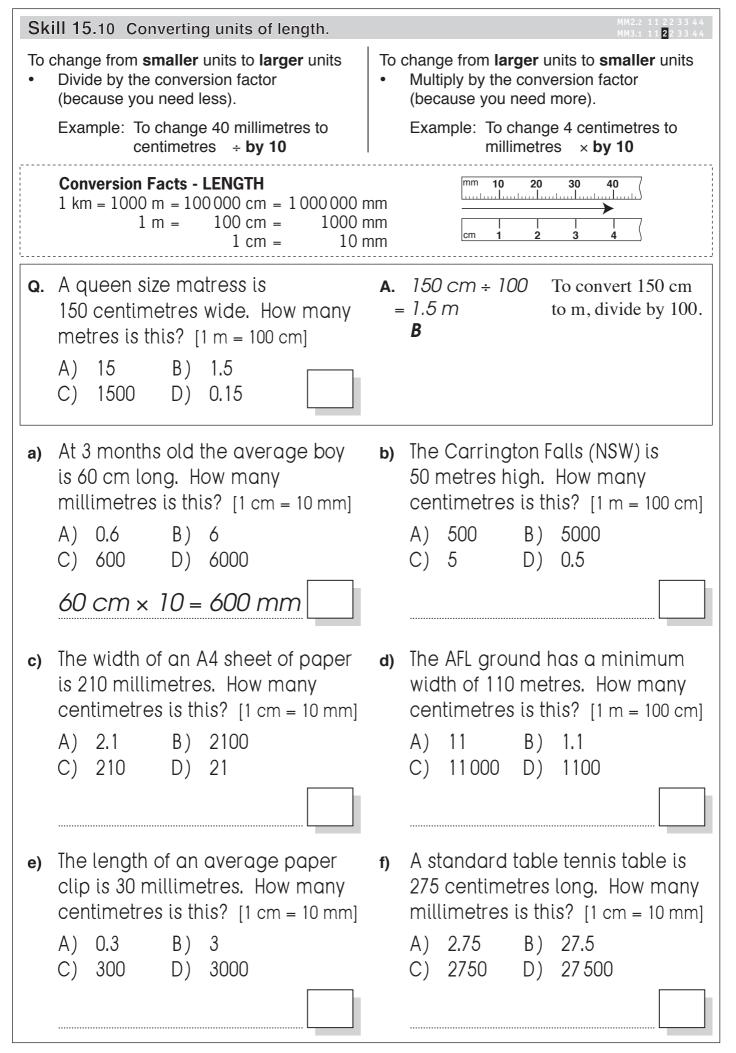


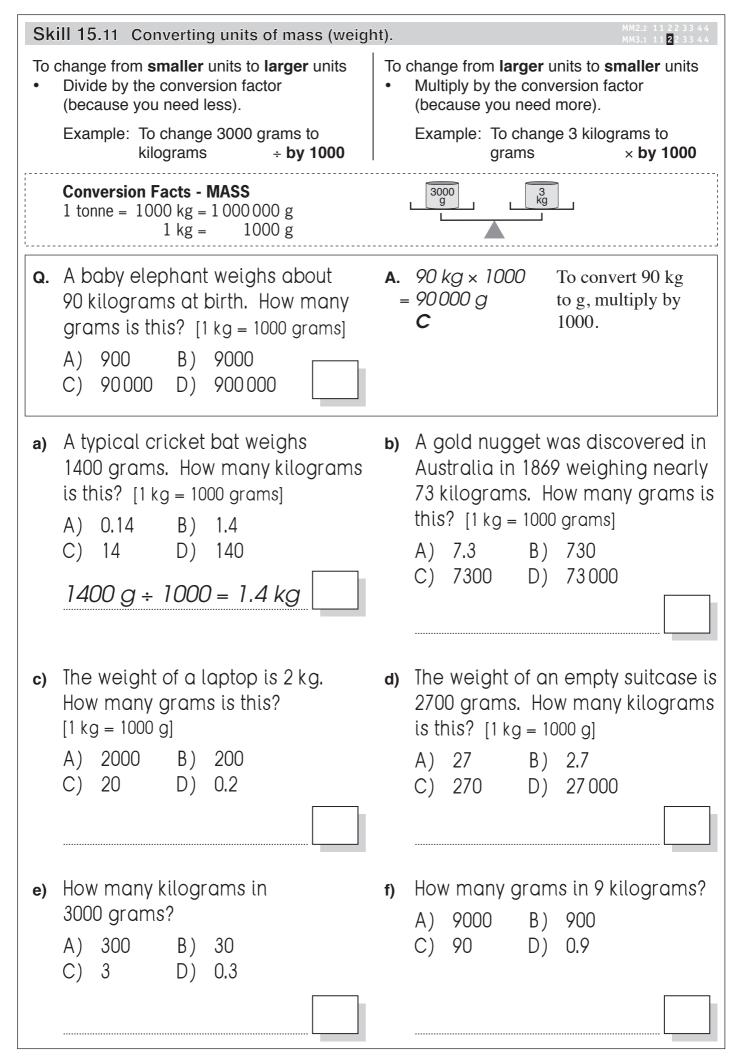


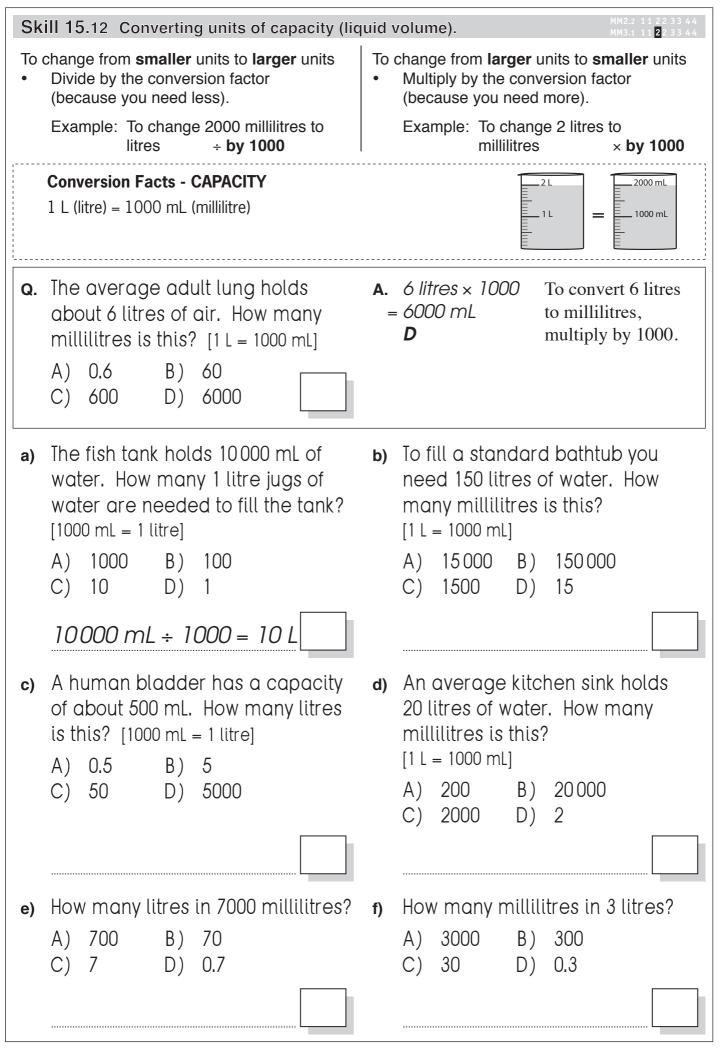


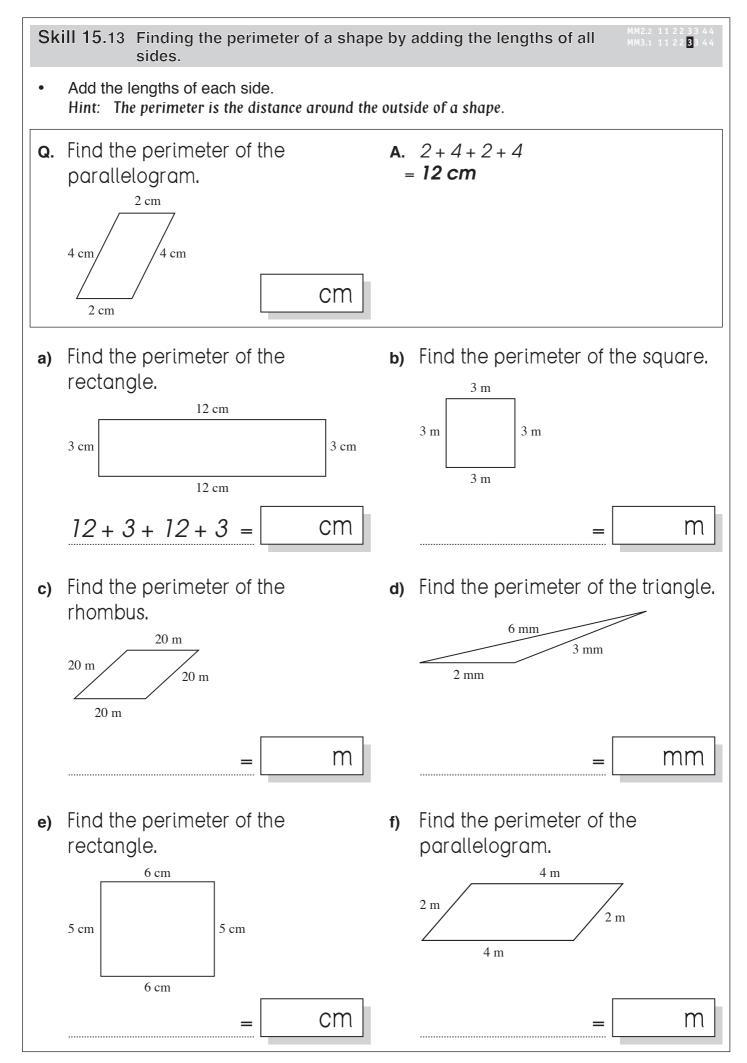


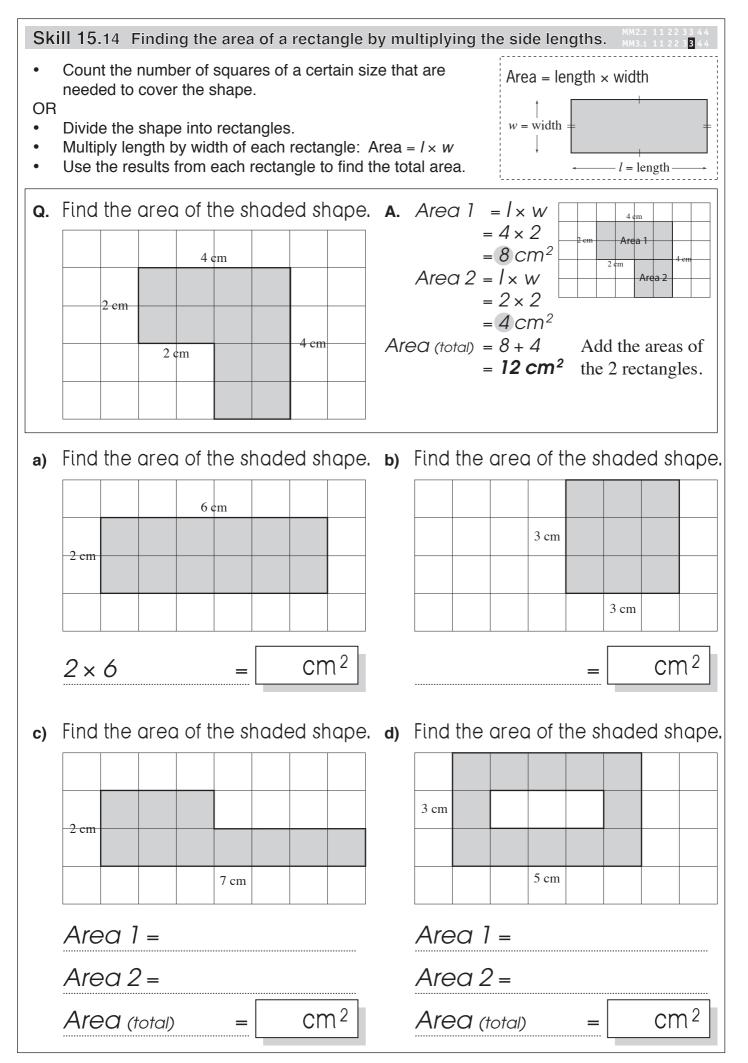






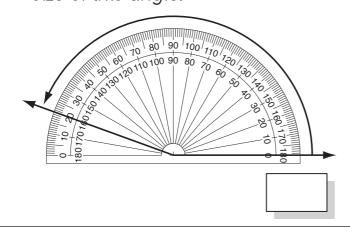




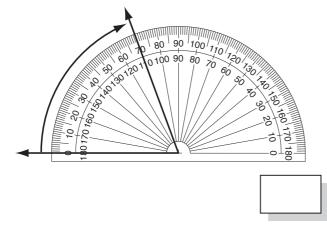


Skill 15.15 Measuring an angle using a protractor.

- Place the center of the protractor at the corner (vertex) of the angle.
- Align one line of the angle with a zero line on the protractor.
- Read the measurement where the other line of the angle crosses the scale on the protractor.
 Hint: Protractors can be read using either the inside or outside scale depending on which zero is used.
- **a**. Use the protractor to measure the **A**. **160°** size of this angle.



a) Use the protractor to measure the size of this angle.



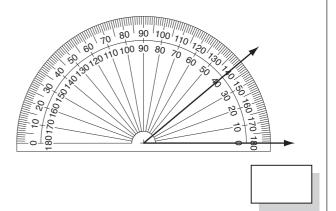
b) Use the protractor to measure the size of this angle.

Read using the inside scale.

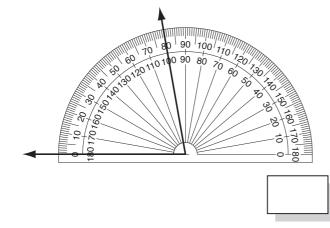
around to 160°.

One line of the angle is at 0° .

The other line of the angle extends



c) Use the protractor to measure the size of this angle.



d) Use the protractor to measure the size of this angle.

