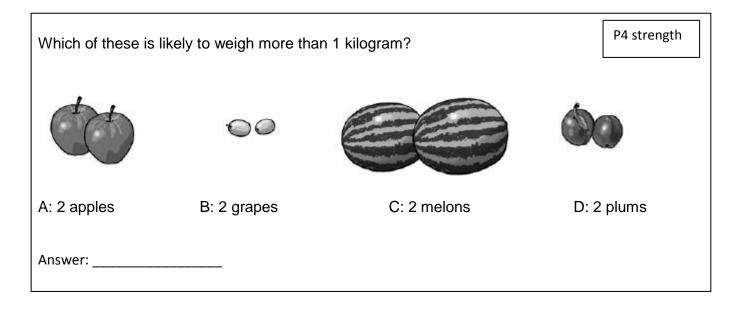
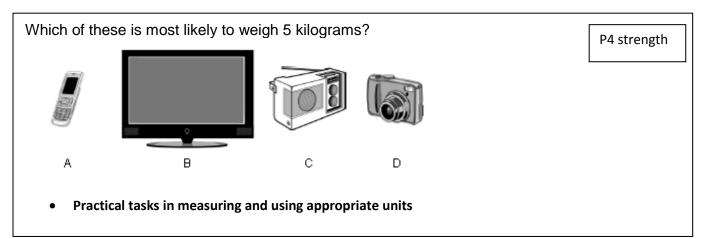
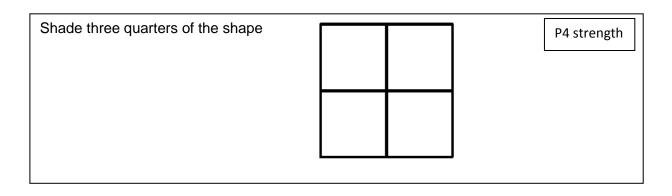
Measurement Primary 4 (first level)

• ordering real life objects according to size and weight





- Understanding of the concept of a fraction and using common fractions to represent parts of a whole
- Understanding how groups of items can be shared equally



Cross out (x) half of these shapes	P4 strength
WWWWWW	$\overset{\wedge}{\bowtie}$

Kelly	cuts all of t	hese oranges into quarters.	P4 strength
	0	$\bigcirc \bigcirc \bigcirc \bigcirc$	
How	many quart	ers does she have altogether?	
A	4		
В	8		
с	12		
D	16		



- I can find a fraction of an amount by applying my knowledge of division
- Understanding of the concept and notation of fractions

A baker drops a box of 15 eggs.	P4 area for improvement
$\frac{1}{3}$ of the eggs break.	
How many of the eggs break?	
Answer: eggs	

Jack buys 55 plants for his garden.	P4 area for improvement
$\frac{1}{5}$ of them are violets.	
How many violets does Jack buy?	
Answer: violets	

There are 51 pupils in Primary 7 at Beach Primary School.	P4 area for improvement
$\frac{1}{3}$ of them can swim.	
How many of the Primary 7 pupils can swim?	
Answer: pupils	

84 pupils are taking part in the school's sports day.	P4 area for improvement
$\frac{1}{6}$ of them are competing in the long jump.	
How many pupils are taking part in the long jump?	
Answer: pupils	

The car park has 90 spaces.	P4 area for improvement
$\frac{1}{10}$ of the spaces are for disabled drivers.	
How many spaces are for disabled drivers?	
Answer: spaces	

- Unitary fraction of an amount within a simple work problem
- Finding equivalent fraction, decimal fractions and percentages and using the preferred form in solving problems
- I can show the equivalent forms of simple fractions, decimal fractions and percentages

Find $\frac{1}{7}$ of 630g.	P7 strength
Answer:	
Find 10% of 630g.	P7 strength
Answer:	

A 0.18	
B 0.208	
C 0.2	
D 0.02	

- Understanding and using inverse relationships of adding, subtracting, multiplying and dividing when simplifying calculations and solving problems
- Carry out the necessary calculations to solve related problems

The vet treated 120 animals last week.	P7 area for improvement
$\frac{9}{10}$ of the animals were rabbits	
How many rabbits did the vet treat last week?	
Answer: rabbits	

A school has a role of 588 pupils.	P7 area for improvement
$\frac{3}{7}$ of them are boys.	
How many boys are there?	
Answer: boys	

- Finding an amount of a fraction using common fractions
- Carrying out calculations involving common percentages e.g. 10%, 25%, 50% within simple word problems
- Using equivalent forms of simple fractions and percentages e.g. 75% = $\frac{3}{4}$
- Increasing or decreasing proportionally quantities within straightforward contexts
- Carrying out calculations with decimal fractions (just over half can do this accurately)

Find $\frac{1}{7}$ of 630g.	S2 strength
Answer:	

- Carrying out calculations with a wide range of fractions, decimal fractions and percentages
- Understanding the relationship between simple proportion and ratio and using these concepts to solve problems in context

30 litres of water are mixed with 5 litres of orange juice to make an orange drink.	S2 areas for improvement
Work out the ratio of water to orange concentrate.	
Write the ratio in its simplest form.	
Answer:	

• ordering real life objects according to size and weight (areas of strength)

How much longer is line B than line A?	P4 strength
Answer: cm	
Use a ruler to measure these lines	P4 strength
What is the length of the longest line?	
Answercm	

Some of the numbers are missing from this ruler.			P4 strength
What is the length of this toy brick to the near centimetre?			
Answercm	0 	5 5	10 cm

• Practical tasks in measuring and using appropriate unit (areas of improvement)

What is the length of this paper clip to the nearest centimetre?		P4 area for improvement	
(
սուսիու	uuluuuuluuuluuuluuuluu	umhuuum	
0	5	10 cm	
Answer:	cm		

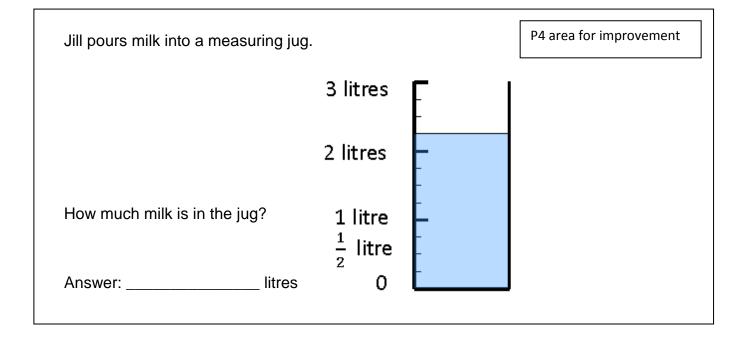
• Choosing appropriate units of measure/using scales (areas of strength)

What does this toy tractor weigh?		P4 strength
	Veight in grams	
Answer: grams		

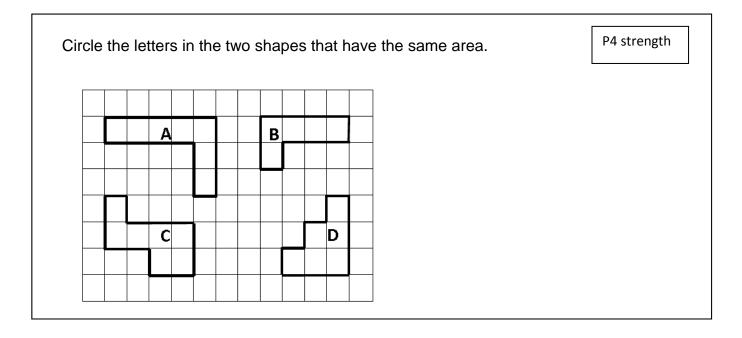
A box of apples is put on a scale. What did the box of apples weigh?	P4 strength
Answer: kg	Kilograms

• Choosing appropriate units of measure/using scales (areas of improvement)

How	much do these apples weigh?		P4 area for improvement
A	153g		
В	150g	100 100 100 100 100 100 100 100 100 100	
С	180g	SEC OST IN	
D	190g		

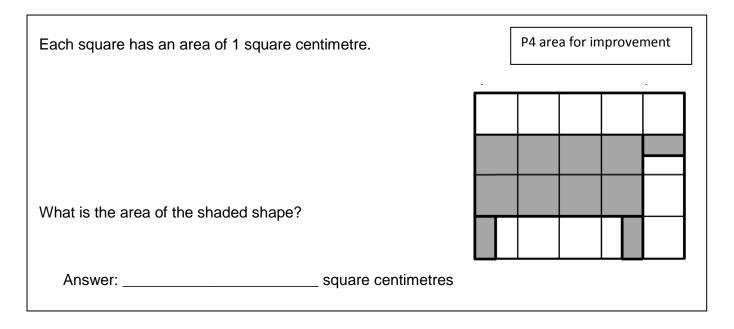


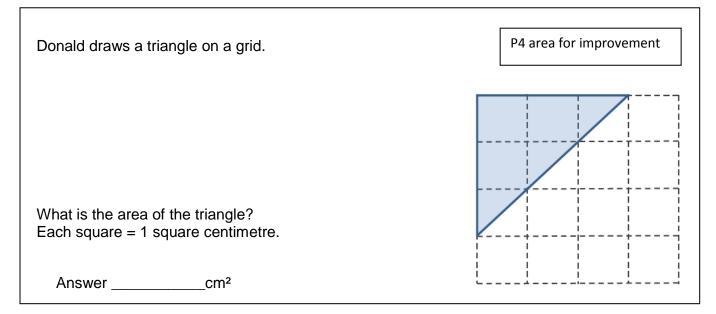
• Estimating the area of a shape by counting squares or other methods (areas of strength)



What is the area of the shaded shape?	P4 streng
	Is a square centimetre
Answer: square centimet	res

• Estimating the area of a shape by counting squares or other methods (areas of strength)





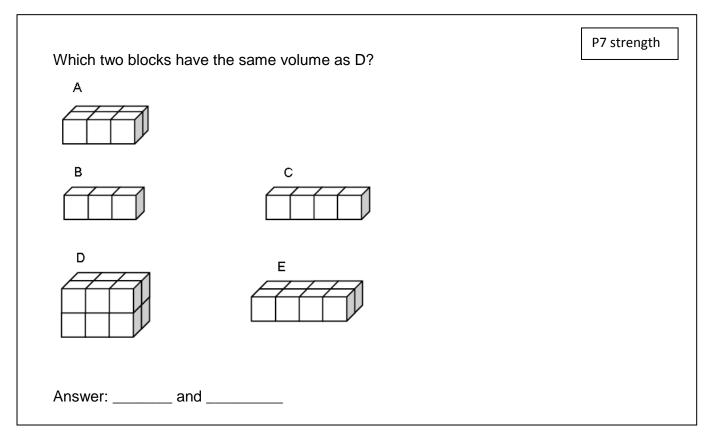
	= 1 square cm	Γ
		P4 area for improvement
What area is white?		

• Estimating an amount an object holds. (areas for improvement)

The jug contains orange juice.		P4 area for improvement
Estimate how many mugs can be filled with juice	from the jug.	
	A 2	

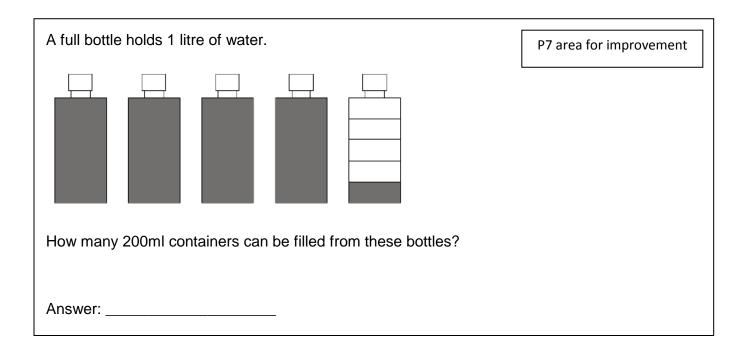
Measurement Primary 7 (second level)

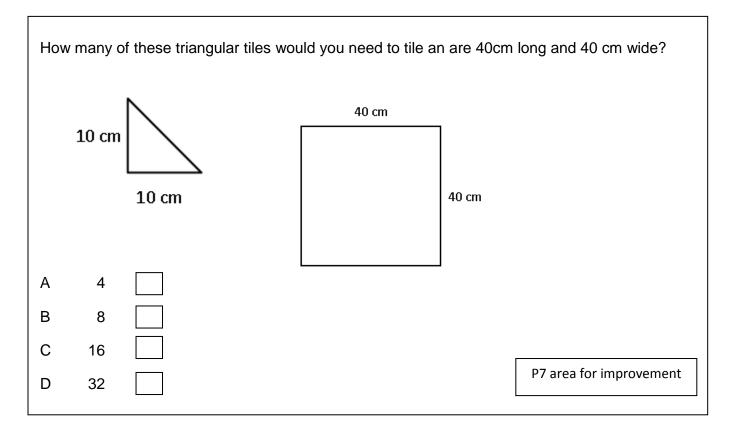
• Different methods to find the volume of a simple 3D object. (areas of strength)

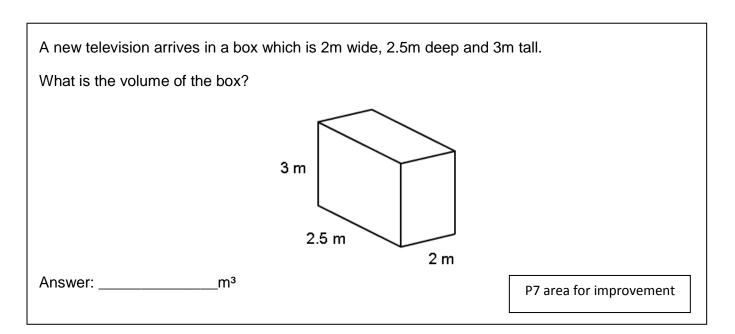


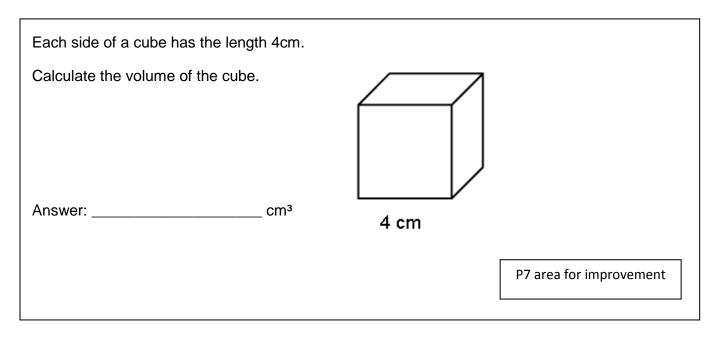
• Different methods to find the volume of a simple 3D object. (areas of improvement)

Box B is twice as long, twice as	wide and twic	e as high as Box A	P7 area for improvement
Box A holds 1 kilogram of tea. How much will box B hold?		Box A	Box B
Answer:	_ kilograms		









• Using common units of measure and converting between related units of the metric system.

What is the total weight of the fruit?	P7 area for improvement
Answer: g	0g 50g 100g 150g 200g 250g 300g 350g 400g

This jug has some diluting juice in it.	P7 area for improvement
Liam adds water to make 2 litres of juice.	
How much water did Liam add?	2
Answer: litresml	

A jug holds 1 $\frac{3}{4}$.itres of water.	P7 area for improvement
How many millilitres is this?	
Answer: ml	

A piece of rope measures 3.745metres.

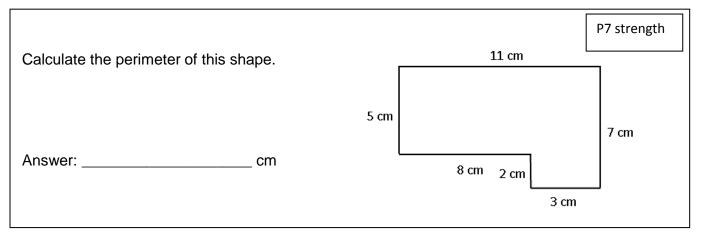
How many centimetres is this?

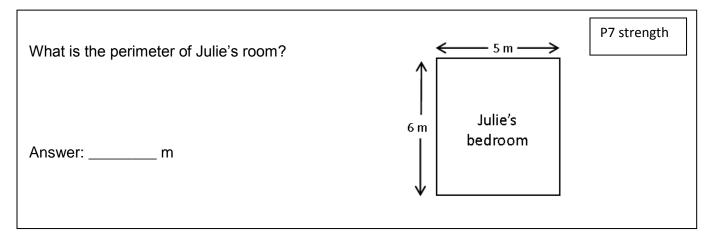
Answer: _____ cm

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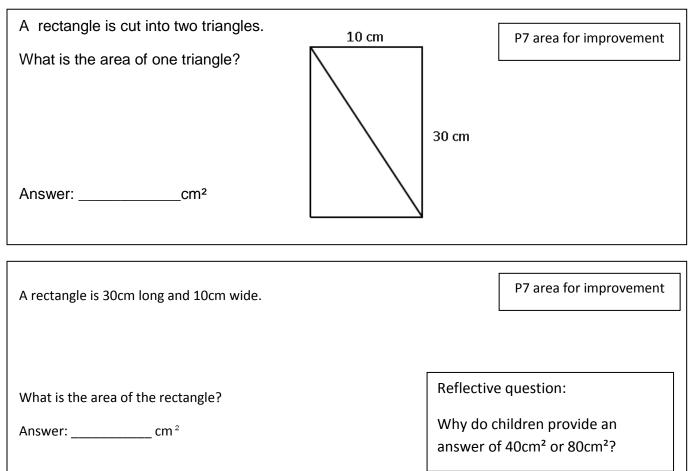
P7 area for improvement

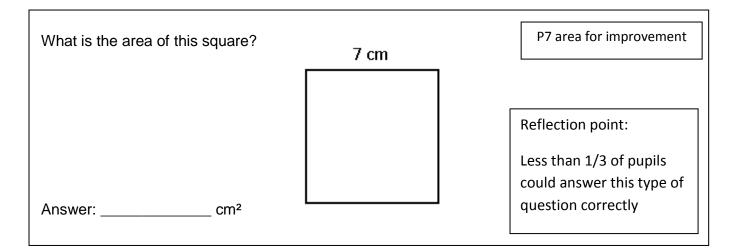
• Find the perimeter and area of a simple 2D shape (strengths)





• Find the perimeter and area of a simple 2D shape (areas for improvement)





Each edge of a cu	be measures 8cm.	P7 area for improvement
Each face of the c	ube is to be painted white.	
Which calculation Tick one box	gives the area to be painted white in square cn	
A 6 x 8		
B 8 x 8		
C 6 X 8 X 8		
D 8 X 8 X 8		

Measurement S2 (third level)

• Using common units of measure and converting between related units of the metric system.

MNU 2-11b

• Choosing the appropriate units and degree of accuracy for the task

MNU 3-11a

Converting between related units	S2 strength

Choosing appropriate units and carrying out calculations with a wider range of numbers including fractions and decimal fractions (area of improvement)

This jug can hold 4 litres of liquid. 1 $\frac{3}{4}$ litres are added to the liquid already in the jug.	S2 area for improvement
1^{-4} intres are added to the inquid already in the jug.	
How much liquid is in the jug? Give your answer as a decimal fraction.	
Answer: litres	

Subtract 93.5grams from 1.656kg.

Give your answer in grams.

Answer: _____ grams

A leaking tap drips 2500ml of water every hour.

How much water is leaked in one day? Give your answer in litres.

S2 area for improvement

S2 area for improvement

Answer: _____ litres

 7 <u>1</u> m of curtain material is cut from a roll of fabric. <i>A</i> The roll has 10m 4cm on it. 	S2 area for improvement		
After the cut has been made, what length of material will still be left on the roll?			
Answer: m cm			

• Find the perimeter and area of a simple 2 D shape MNU 2-11c

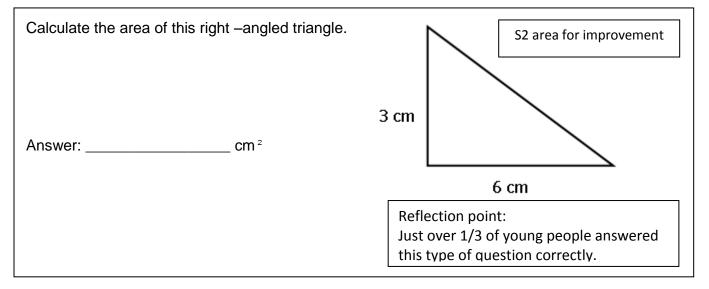


- Use a formula to calculate area or volume when required MNU 3-11a
- Find the area of compound 2D shapes and volume of 3D objects MNU 3-11b

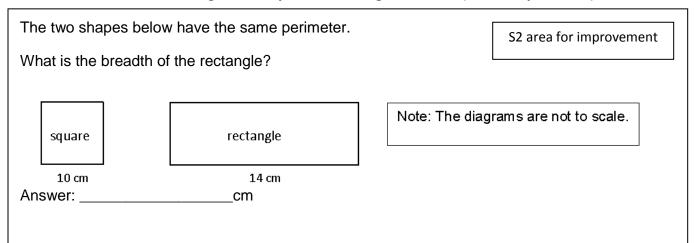
Perimeter of 2D shapes (strength)

Allan made a square picture frame at school. What is the perimeter of the frame?	300 mm	S2 strength
Answer: mm		

Find the area of a simple 2D shape or volume of a simple 3D object



Measurement tasks involving numeracy skills: working backwards (inverse operations)

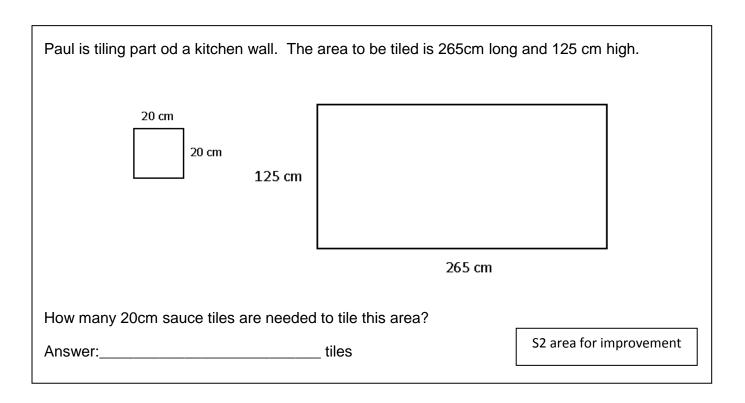


Abdul's father is building a pond in his garden.		S2 area for
The shape of the pond is a regular hexagon.		improvement
The perimeter of the pond is 7.5 metres.	/	\backslash
What is the length of one side?		\mathbf{Y}
	\backslash	/
	\backslash /	/
Answer: m		

The diagram shows a piece of card. The area of the ca	ard is 96c	m².	S2 area for
It can be folded to make a cube.			improvement
What would be the length of one edge of this cube?			
Answer: cm			

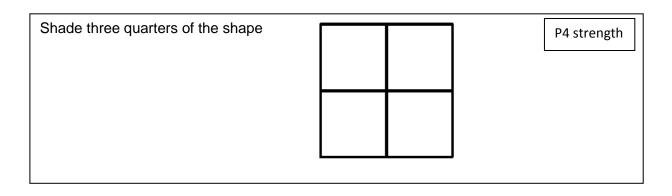
A cube has a volume of 125m ³ .		S2 area for improvement
What is the length of one side of the cube?		
Answer:	_ metres	

The length of a rectangular field is 8 metres more than twice its width.	
If the field is 40 metres wide, what id the perimeter?	
Answer: metres	
	S2 area for improvement



How many centimetre cubes will fit into a cube of side 10cm?	S2 area for improvement
Answer:	

- Understanding of the concept of a fraction and using common fractions to represent parts of a whole
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