

Measures





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Introduction

This Information File is a comprehensive revision package in Maths covering all aspects of the **Measures** attainment target as required for the SEAG Entrance Assessment. The 4 books in the series provide a comprehensive revision guide for parents, and also covers the mathematics requirements of The Northern Ireland Curriculum for the end of Key Stage 2

It should be understood, however, when using the book the remnematical processes can often be performed in more than one prescriber way and for some children the methods outlined within the performance might not at the 'unlock the door' to understanding.

We recommend that when a child is expression difficult in grasping a specific mathematical process that parties more with their child's class teacher to discuss the nature of the problem and possible solutions to it.

The Information File comprises:

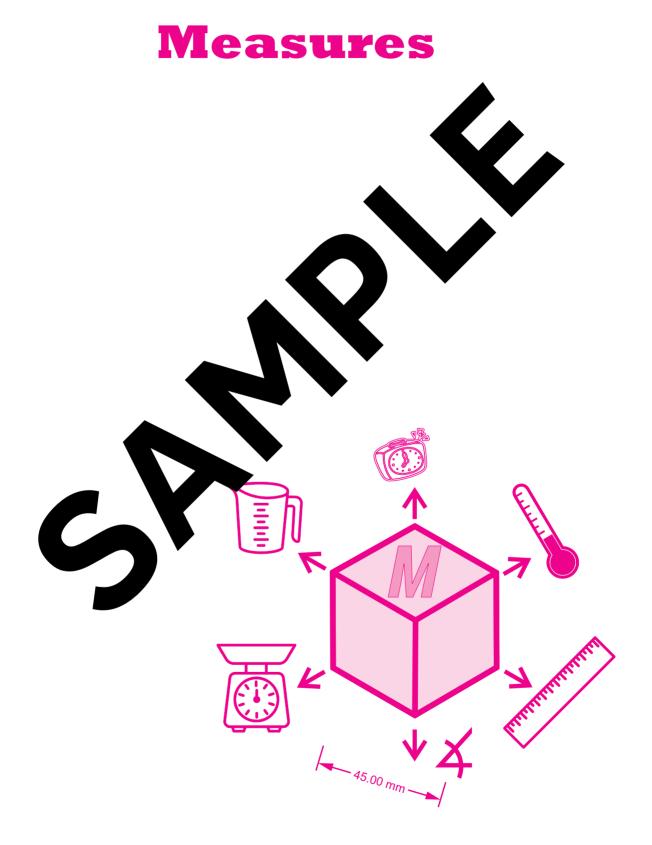
* A comprehensive representation of the detailing information that children show for the mathematic representation of the mathematic relevance of the mathematic releva

NEED TO KNOW

SF constrance A sessment and at the end of Key Stage 2. The content, you chashed be cornt, is outlined briefly in a number of **NEED TO KNOW**

- * A variety of example questions, with annotated step by step procedures illustrating how answers can be calculated.
- * 3 practice tests that mirror the format of the maths element of the SEAG Entrance Assessment.

Step (1)% Step (2)% Step (3)%



Length

Length can be measured in:

- ⋇ MILLIMETRES (mm),
- ⋇ CENTIMETRES (cm),

※ METRES (m)

or

⋇ KILOMETRES (km).

Length can be estimated using some common everyday mea parts, e.g. arm span, hand span, digit, palm, stride, foot, etc.

Equivalent Lengths

- 10 mm = 1 cm 100 cm = 1 m

1 km

NEED TO KNOW

Children should know and recognise

expressed either as fractions, whole

ke body

a variety of equivalent lengths

numbers or decimals,

e.q. ½ km = 0.5 km = 500 m.

1. Metres and centimetres

Fraction	K .	um		Decimal
1 m		100 cm	=	1.0 m
½ m	=	50 cm	=	0.5 m
1⁄4 n		cm	=	0.25 m
³⁄₄ m		75 cm	=	0.75 m

2. Kilom and m

		Whole number		Decimal
1 kr	=	1000 m	=	1.0 km
	=	500 m	=	0.5 km
¼ km	=	250 m	=	0.25 km
³⁄₄ km	=	750 m	=	0.75 km

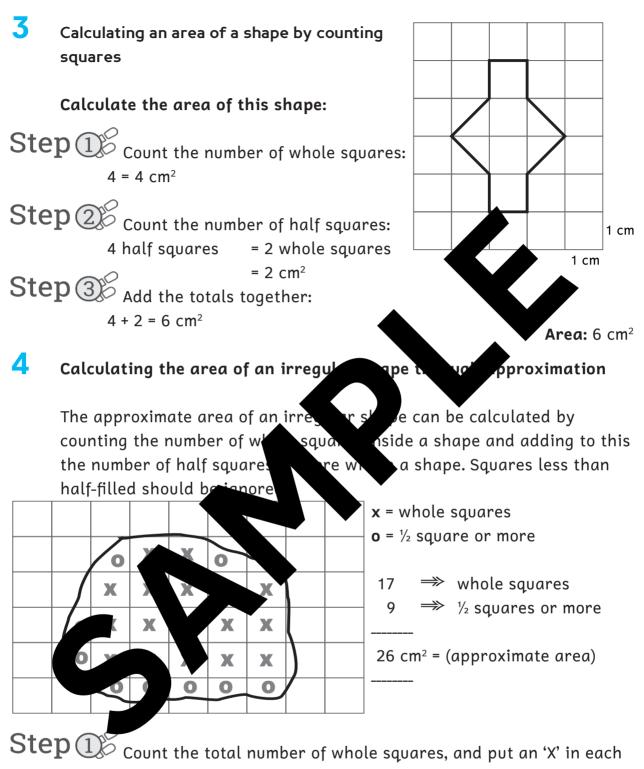
? Example question



Which length below is equivalent to 1/4 km?

B .0250 km **C** 250 m A 750 m D 25 cm E 0.25 m

Answer: C 250 m

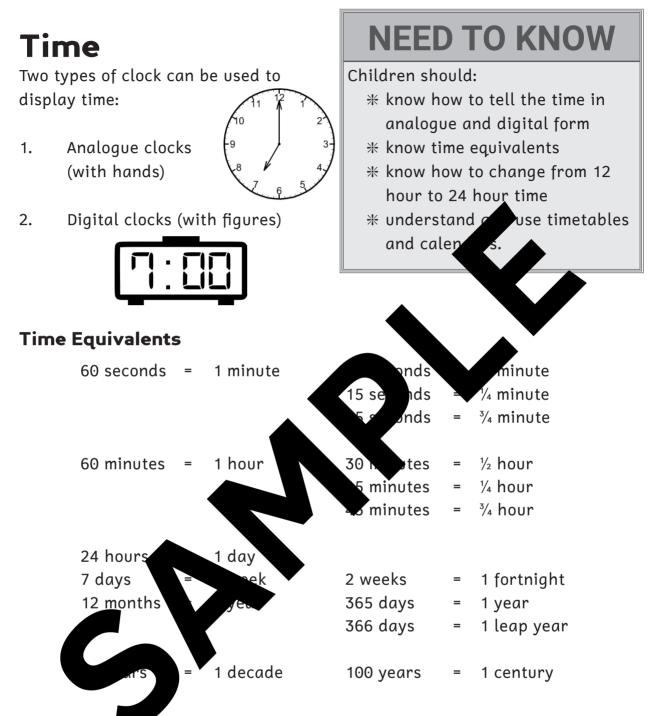


square.

Step 2 Count the total number of squares which are half-filled or more, and put an 'O' in each square.

Step 3 Add the total number of whole and half-filled or more squares (Xs and Os).

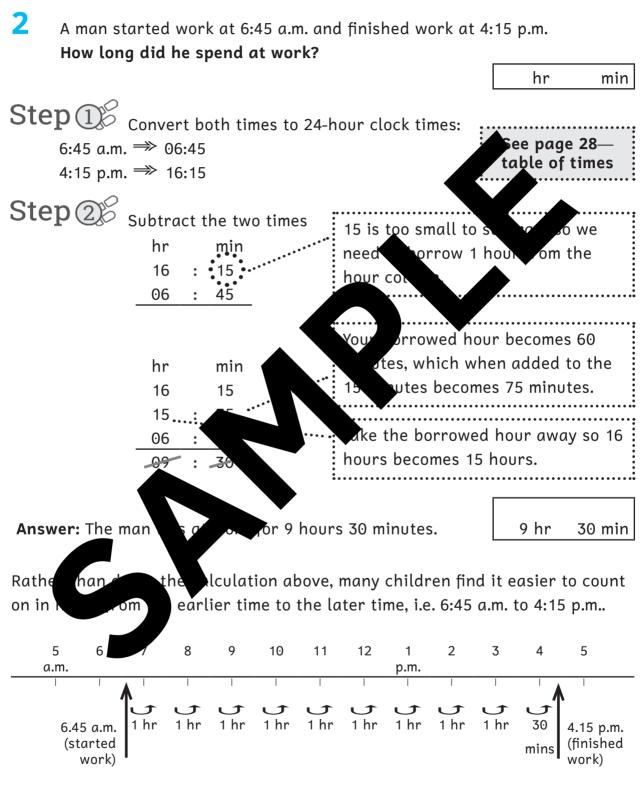
Approximate area: 26 cm²



A leap year **comes** around every 4 years, e.g. 2016, 2020, 2024, etc. To calculate whether a certain year is a leap year you divide the number by 4. If there is no remainder the year is a leap year.

e.g.

Children may be asked to calculate the difference between two times.



9 hrs + 30 mins = 9 hr 30 min

Mark:

MEASURES

Test 1

Candidate's Name

Children should have **30 minutes** to complete this test.

DATE OF TEST			
Day	Month	Year	

/ 28

You should choose the **best** answer and mark the box beside or below j tter with a thin horizontal line like this 💻. 1 What is the lightest weight in the list below? <u>1</u>0 kg A 170.10 g B 1.711 kg 17101 q 170.01 q C 2 Sangeetha wants to work imate area of a piece of material an ap that is 23 cm × 56 cn. Which calculation e clopest to the actual answer? 60 cm R m C 25 50 cm 20 c 60 cm cm × 50 cm 3 What is the volume of the oil tank in the picture?

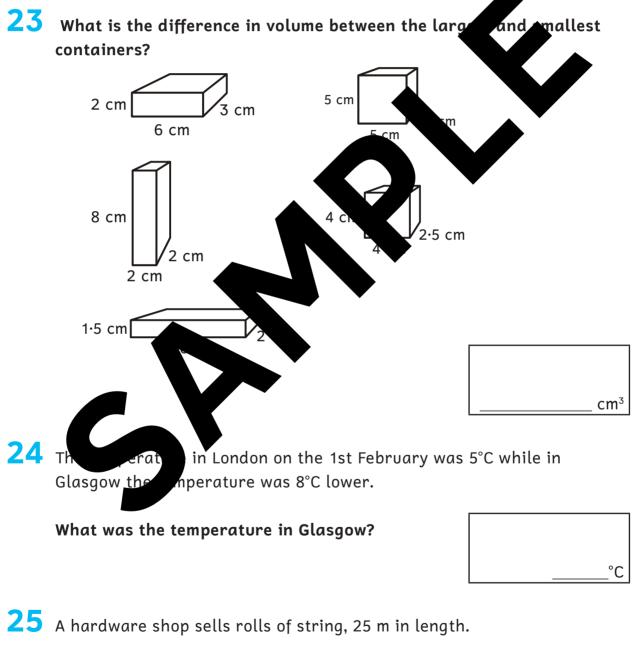
5 m

22 Each side of a regular octagon is 6.6 cm long.

What is the perimeter of the octagon?



For questions 23–28 you have to **write your answers**, neatly, in the box beside the question.



How many 25 cm lengths of string can be cut from each roll?



28 Richard wants to travel from Sheffield to London by train. He needs to arrive in London by 3:30 pm.

What is the latest time that Richard can leave Sheffield?

Write your answer in 12-hour clock notation.

dep. arr. 12:02 14:00 12:31 14:41 13:02 15:00 13:31 15:41 14:02 16:00 14:31 16:41 15:02 15:31 15:31 17:41	Sheffield	London		
12:31 14:41 13:02 15:00 13:31 15:41 14:02 16:00 14:31 16:41 15:02 15:31 15:31 17:41	dep.	arr.		
14:31 16:41 15:02 15:31	12:02	14:00		
14:31 16:41 15:02 15:31	12:31	14:41		
14:31 16:41 15:02 15:31	13:02	15:00		
14:31 16:41 15:02 15:31	13:31	15 : 41		
15:02 15:31 17:41	14:02	16:00		
15:31 .7:41	14:31	16:41		•
	15:02			
	15:31	17:41		







Tes	tз	see page 52
1.	D – 900 cm ³	
2.	B – 3h 35m	
3.	E – 4.2 l	
4.	C – 1.75 l	
5.	B – 42 cm	
6.	E - 16:30	
7.	C – 36 cm	
8.	А	
9.	D – 193 ml	
10.	$C - 81 \text{ cm}^2$	
11.	D – 40	
12.	$C - 10^{\circ}C$	
13.	B – 13:00	
14.	E – 168 cm ³	
15.	E – 50 m	
16.	E – cm	
17.	D – 1.8 kg	
18.	C – 3.25 l	
19.	D – 36 cm ²	
20.	B – 25 mins	
21.	E – ruler	
22.	D – 594 cm	
23.	216 cm ³	
24. 25	18°C	
25. 26		
26. 27	2 ko	r
27.	1:02 n m	
28.	1:02 p.m	