ANNUAL NATIONAL ASSESSMENT 2012
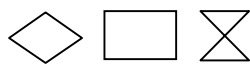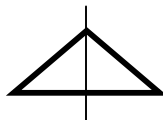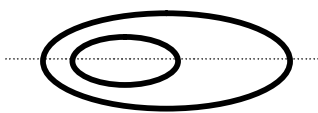## GRADE 3 MATHEMATICS
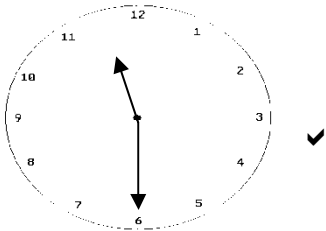## TEST
MEMORANDUM

MARKS: 60

This memorandum consists of 3 pages.

General marking note:

1. **Give full marks for answers only, unless otherwise stated.**
2. **Accept any alternative correct method or calculation that is not included in the memorandum.**

QUESTION		EXPECTED ANSWERS	MARKS	TOTAL
1.	a.	100; 125; 150 ✔	1	
	b.	658; 638; 618 ✔	1	
	c.	150; 200; 300 ✔ or 350 ; 300 ; 200 ✔	1	3
2.	a.	Ninety-five ✔ **Accept the correct number name in any other official language. Do not penalise for spelling.**	1	2
	b.	Three hundred and seventy-two ✔	1	
3.	a.	542, 452, 425, 245 ✔ **Accept the correct number name in any other official language. Do not penalise for spelling.**	1	2
	b.	1 quarter, 1 third, 1 half ✔ **Accept correct symbols or drawings of the fractions.**	1	
4.	a.	400 + 200 + 30 + 10 + 1 + 3 ✔ = 600 + 40 + 4 ✔ = 644 ✔ or 431 + 200 → 631 + 10 → 641 + 3 → 644	3	
	b.	70 + 2 - 30 - 7 = 60 + 12 - 30 - 7 ✔ or 72 - 30 → 42 - 7 → 35 = 60 - 30 + 12 - 7 = 30 + 5 ✔ = 35 ✔	3	
	c.	3 x 1 = 3 ✔ 3 x 31 = 93 ✔ ✔ 3 x 30 = 90 or 3 + 90 = 93 ✔ 31 + 31 + 31 = 93 ✔ ✔	2	10
	d.	If 80 ÷ 4 = 20 ✔ Method: 1 mark and 4 ÷ 4 = 1 Answer: 1 mark means 20 + 1 = 21 ✔	2	

5.	a.	70 or 7T/t or 7 tens or seventy ✔	1	2
	b.	500 or 5H/h or 5 hundreds ✔ or five hundred	1	
6.		22nd, 23rd, 25th, ✔	1	1
7.	a.	(2 x R1,50) + R1,00 = R4,00 ✔ ✔ Change = R5 - R4 = R1/100c ✔ **Subtract a mark if there is no unit in the answer.**	3	6
	b.	✔ ✔ ✔ R3,40 - R1,75 = R1,65 **Subtract a mark if there is no unit in the answer.**	3	
8.	a.	✔ ✔ Number of tyres = 12 x 5 = 60	2	4
	b.	✔ ✔ Number of biscuits = 69 ÷ 2 = 34 and a half	2	
9.	a.	572 ✔	1	6
	b.	300 + 80 + 5 ✔ **Accept any order.**	1	
	c.	49 + 49 = 98 ✔ or 2 x 49 = 98 ✔	1	
	d.	397 , 398 , 399 , 400 , 401, 402 ✔	1	
	e.	137 ✔	1	
	f.	C or 300 ✔ **Accept if the correct answer is circled/underlined.**	1	
10.	a.	✔	1	2
	b.	275 ✔	1	
11.			1 1 1 1	4

2-D shapes	3-D objects
Triangle	Cube/Box
Rectangle	Cylinder

Accept correct answers in any order in each column.

12.	a.	✔	1	2
	b.	✔	1	
13.	a.	31 ✔	1	3
	b.	4 ✔	1	
	c.	Friday ✔	1	
14.	a.	B ✔	1	

	b.	• The hour hand drawn between 11 and 12. • The minute hand must be longer than the hour and point to 6. ✔	1	3
	c.	90 ✔	1	
15.	a.	kilogram ✔	1	
	b.	litres ✔	1	
	c.	centimetres ✔	1	4
	d.	15 cm ✔	1	
16.		45 ✔	1	1
17.	a.	7 ✔	1	
	b.	Kim ✔	1	
	c.	140 cm ✔	1	
	d.	Accept an estimated answer **between** 100 cm and 120 cm, e.g. 110 cm ✔	1	
	e.	Pat ✔	1	5
			TOTAL:	**60**