

Appendices

Chapter 2

Appendix 2.1: Gini coefficients of monthly real wages (2012 prices), selected surveys

Industry	OHS 1997	LFS 2004b	LMD 2011
Agriculture, forestry and fishing	0.5771	0.4484	0.4722
Mining and quarrying	0.4193	0.4104	0.4731
Manufacturing	0.4526	0.5203	0.5226
Electricity, gas and water	0.4287	0.5378	0.4910
Construction	0.4503	0.4008	0.5471
Wholesale and retail trade	0.4582	0.4556	0.5090
Transport, storage and communication	0.4261	0.4182	0.5012
Financial and business services	0.4847	0.5392	0.5351
Community, social and personal services	0.3798	0.4192	0.4850
All formal sector employees	0.4678	0.5125	0.5341

Source: Author's calculations using OHS 1997, LFS 2004b and LMD 2011 data

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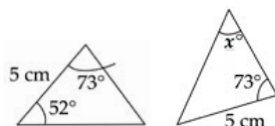
Chapter 3

Appendix 3.1: Examples from the SACMEQ 2007 teacher test and the TIMSS 1995 Grade 8 student test

21. $\frac{x}{2} < 7$ is equivalent to...

- A. $x > 14$
- B. $x < 14$
- C. $x > 5$
- D. $x < \frac{7}{2}$

25. These triangles are congruent. The measures of some of the sides and angles of the triangles are shown. What is the value of x ?



- A. 52°
- B. 55°
- C. 65°
- D. 75°

27. What is the value of: $\frac{2}{3} - \frac{1}{4} - \frac{1}{12}$?

- A. $\frac{1}{6}$
- B. $\frac{1}{3}$
- C. 3
- D. $\frac{5}{12}$

31. A stack of 200 identical sheets of paper is 2,5 cm thick. What is the thickness of one sheet of paper?

- A. 0,008 cm
- B. 0,0125 cm
- C. 0,05 cm
- D. 0,08 cm

Examples of performance on specific questions								
	SACMEQ 2007 Maths teacher test item name	Question 21	Question 25	Question 27	Question 31	Question 35	Average of 16 questions (uncorrected for guessing)	Average of 16 questions (corrected for guessing)
	TIMSS 1995 item name	TIMSS k4	TIMSS k8	TIMSS I17	TIMSS r7	TIMSS v3		
Grade 6 Maths Teachers (SACMEQ 2007)	South Africa	50%	44%	62%	47%	33%	47%	30%
	Botswana	46%	62%	77%	44%	52%	56%	41%
	SACMEQ average	55%	53%	74%	54%	53%	56%	41%
	Swaziland	51%	68%	81%	62%	48%	63%	50%
	Uganda	75%	49%	82%	62%	84%	64%	52%
	Tanzania	65%	62%	85%	76%	53%	64%	53%
	Kenya	74%	66%	88%	73%	82%	72%	63%
	Eastern Cape	44%	40%	56%	46%	18%	39%	19%
	Free State	56%	56%	67%	53%	41%	55%	40%
	Gauteng	59%	41%	67%	41%	37%	46%	28%
	KwaZulu-Natal	50%	42%	61%	50%	44%	51%	34%
	Limpopo	60%	49%	67%	54%	31%	50%	33%
	Mpumalanga	38%	33%	50%	28%	21%	40%	20%
	Northern Cape	60%	51%	65%	54%	28%	52%	37%
	North West Province	38%	48%	53%	56%	33%	46%	28%
	Western Cape	42%	58%	69%	57%	38%	55%	40%
	SA Quintile 1	45%	40%	60%	47%	28%	45%	26%
	SA Quintile 2	51%	35%	66%	45%	30%	45%	27%
	SA Quintile 3	40%	43%	50%	37%	19%	42%	22%
	SA Quintile 4	51%	54%	54%	42%	35%	48%	31%
SA Quintile 5	64%	49%	77%	66%	54%	58%	44%	
South Africa	50%	44%	62%	47%	33%	47%	30%	
Grade 8 students (TIMSS 1995)	South Africa	22%	14%	20%	35%	16%	24%	6%
	TIMSS Gr8 average	44%	35%	51%	48%	41%	45%	31%
	Switzerland	39%	33%	62%	59%	42%	48%	35%
	Netherlands	49%	21%	51%	54%	65%	48%	35%
	Austria	52%	29%	60%	61%	21%	50%	37%
	France	42%	50%	67%	64%	51%	53%	41%
	Hong Kong	61%	61%	78%	73%	70%	62%	52%
	Korea	67%	66%	78%	66%	87%	63%	53%
	Singapore	69%	69%	93%	71%	95%	71%	63%