Nelson Maths 9 for the CSF II Homework and Assessment Sheets

Name:									Cla	ss: _							
Due date:					_	Pa	rent	s sig									
Level 5	Level 5 /10					Level 6									/2		
Part A: Level 5						Column contra	ANTERNA DE	markana na katalog a k a			in who are			es con		700 Vice (1990)	800,0000
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3 Calculate her rate of											_						
	f travel	in km	/h f	or e	each	stage	: A _				B _				C_		
3 Calculate her rate of4 How long would it	f travel take he	in km	/h f	or e	each istar	stage	: A ₋ 50 l	 km a	t 15	— km/	В_ h?				C_		
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Part B: Level 6

Complete the table of information about scale drawings. State if each is an enlargement or a reduction.

	Object	Scale drawing	Scale ratio or scale factor	Enlargement or reduction?
1	20 cm		1:20	
2	1 m	1 cm		
3		20 cm	40:1	

Three junior employees earn wages in the ratio 5:3:2; the oldest receives the most, the youngest least.
4 If the oldest gets \$10, what would the youngest get?
5 If they received \$100 between them, what would each get?,
6 If the middle one gets \$15, how much would the oldest and youngest receive?,
Calculate the heart rates in order to insert the correct sign (= , > or <) in these statements. 7 880 beats in 10 minutes 688 beats in 8 minutes 8 65 beats/min 990 beats in 15 minutes 9 4560 beats/h 1520 beats in 20 minutes
10 Convert 75 km/h into km/s
The quadrilaterals below are exactly in proportion. What are the values of <i>a</i> , <i>b</i> , <i>c</i> and <i>d</i> ? 11 13 14
$\begin{array}{c} 12 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
Circle the fastest growth rate in each pair.
15 100 cm in 5 years or 2.5 m in 20 years
16 36 mm in 15 min or 1 m in 2 hours
17 140 km in 2 hours or 12 km in 10 min
Divide each of the following lengths into the ratio indicated in the bracket.
18 55 m (10:1) 19 72 m (5:4)
20 At a football match, the ratio of Essendon to Carlton fans was 7:5. There were 96 000 at the ground. How many supported Essendon?
Three girls in a family receive pocket money in 1999 according to their age ratio 4:3:1 when the oldest was 8 years old and received \$8. Every 2 years their money is doubled, but kept in the same ratio. In what year will the middle child's pocket money be three times what the oldest received in 1999?
Write the mathematical meanings of: Rate
Speed