To use a range of techniques to perform calculations*

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1 MATHEMATICS

2 Division

3 EDUCATOR SECTION

4 Memorandum

1.1 7
1.2 9
1.3 12
1.4 5
1.5 64
1.6 17
1.7 23
1.8 43
1.9 26
1.10 1 555
1.11 10
1.12 72
1.13 54
1.14 11
1.15 2 709

5 LEANER SECTION

6 Content

6.1 Activity: To use a range of techniques to perform calculations [LO 1.10.2]

Let us see how well you are able to apply your acquired knowledge of division. Calculate the following without using a pocket calculator. You may use whichever method you prefer.

1. t = 1 528 ÷ 24

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2. g = 10 001 ÷ 32

3. y = 48 867 ÷ 26 4.

4. z = 57 906 ÷ 374

5. d = 126 458 ÷ 519

BRAIN-TEASER!

During a competition, the Grade 5, 6 and 7's tie. 21 cool drink cans are delivered to them at the school. Seven of the cans are completely full and 7 are half-full. Seven empty cans are also delivered.

How will you divide the cool drink among the three grades so that everyone gets the same amount of cool drink and cans? (Hint: make a sketch!)

TIME FOR SELF-ASSESSMENT

It is important for us to know how you feel about the section of the work that you have just completed. Evaluate yourself by placing a tick in the appropriate space:

I can estimate the quotient by rounding off the divisor and the dividend. (LO 1.10)		____	____	____	____
I can estimate the quotient by making use of doubling. (LO 1.10)		____	____	____	____
I can estimate the quotient by making use of multiplication. (LO 1.10)		____	____	____	____
I can predict the quotient by looking at certain patterns on my calculator. (LO 2.1)		____	____	____	____
I can divide correctly and determine a remainder, without using my calculator. (LO 1.11)		____	____	____	____

Table 1

** Ask your educator's help!

7 Assessment

Learning Outcome 1: The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.

Assessment Standard 1.10: We know this when the learner uses a range of techniques to perform written and mental calculations with whole numbers including:

1.10.2: long division.