Answers to Task Cards Open-Ended Problem Solving

Problem 64

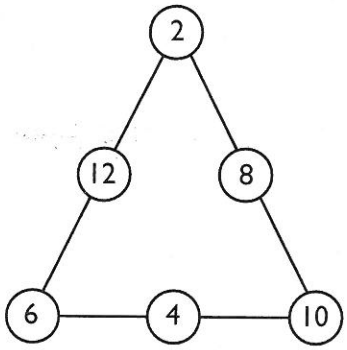
$$\begin{array}{r} 985 \\ -\ 203 \\ \hline 782 \end{array}$$

Problem 65

$$\begin{array}{r} 96 \\ \times 87 \\ \hline 8352 \end{array}$$

$$\begin{array}{r} 23 \\ \times 10 \\ \hline 230 \end{array}$$

Problem 66



Problem 67

Teacher to check models. The volume of each model will be 24 cm^3 as 24 × 1 cm^3 blocks were used.

Problem 68

1 cm × 24 cm
2 cm × 12 cm
3 cm × 8 cm
4 cm × 6 cm
2·5 cm × 9·6 cm
2·4 cm × 10 cm
3·2 cm × 7·5 cm
1·5 cm × 16 cm

Complete list from pupils' answers.

Problem 69

Teacher to check answers.

Any decimal number which starts with 7·3 and is followed by one or more digits is correct, e.g. 7·31, 7·3008.

Problem 70

Some solutions are:

65 × 12 = 780
17 × 46 = 782
19 × 42 = 798
21 × 38 = 798
47 × 17 = 799

Problem 71

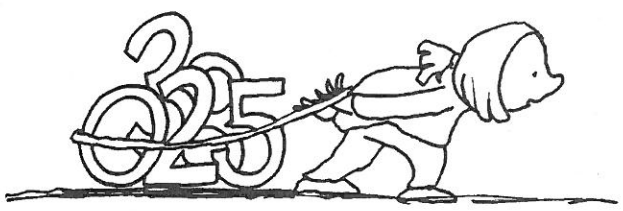
Any pairs using the combinations for 9 will work, e.g. 1 + 8, 2 + 7, 3 + 6, 4 + 5. Some possible solutions would be:

$$\begin{array}{r} 123 \\ +\ 876 \\ \hline 999 \end{array} \qquad \begin{array}{r} 234 \\ +\ 765 \\ \hline 999 \end{array}$$

$$\begin{array}{r} 537 \\ +\ 462 \\ \hline 999 \end{array}$$

Problem 72

[(4 + 4) ×4] − 4 = 28
3 + [(3 − 3) + 3] = 6
(5 + 5) + (5 − 5) − 5 = 20
(2 + 2) ÷ 2 − 2 = 0
(11 + 11) ×11 = 242
(15 + 15) ×15 = 450



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