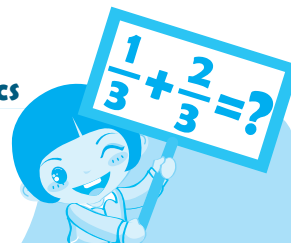


Mental Calculation



Division – Breaking Up Divisors

Find the value of $2880 \div 24$.

STRATEGY

$$\begin{aligned}
 2880 \div 24 &= 2880 \div (2 \times 12) && \text{[break up the divisor]} \\
 &= (2880 \div 2) \div 12 && \text{[divide the number by the first divisor]} \\
 &= 1440 \div 12 && \text{[divide the result by the second divisor]} \\
 &= 120
 \end{aligned}$$

Do these division mentally.

1 $1620 \div 18 =$

2 $2400 \div 25 =$

3 $3996 \div 36 =$

4 $3800 \div 40 =$

5 $4452 \div 42 =$

6 $5208 \div 24 =$

7 $4704 \div 56 =$

8 $7744 \div 64 =$

9 $4263 \div 49 =$

10 $5096 \div 28 =$

1 90 2 96 3 111 4 95 5 106 6 217 7 84 8 121 9 87 10 182

Answers:

Adapted:

Mental Mathematics Book 5

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