

Strategy Overview Stage 6

1.

Add and subtract by rounding and compensating e.g.
 $64 - 18$ as $64 - 20 + 2$

2.

Add and subtract using standard place value partitioning e.g. $62 - 38$
as $62 - 30 = 32$, $32 - 8$

3.

Add by looking for compatible numbers e.g.
 $260 + 170 + 240 = \underline{\hspace{2cm}}$

4.

Subtract using equal additions e.g.
 $545 - 298$ as $547 - 300$

5.

Don't subtract, add e.g.
 $724 - 295 = \underline{\hspace{2cm}}$ as
 $295 + \underline{\hspace{2cm}} = 724$

6.

Solve addition and subtraction problems using algorithms.

7.

Use 5x table to work out 4x, 6x and 7x, 8x and use 10x table to work out 9x.

8.

Change order of factors to make multiplication easier and use doubling and halving e.g.
 $4 \times 6 = 2 \times 12$

9.

Multiply by tens, hundreds and thousands.

15.

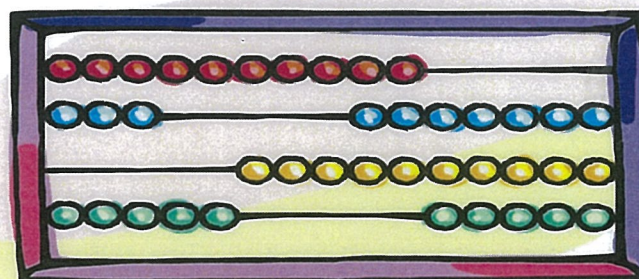
Find relationships in repeating and sequential patterns. Use a rule to create a pattern.

14.

Solve problems with ratios.

13.

Rename and order improper fractions.



10.

Solve division by using reversibility e.g.
 $56 \div 7$ as $7 \times \underline{\hspace{1cm}} = 56$

11.

Find fractions of sets using multiplication and division.

12.

Solve division problems that have fraction answers e.g. $6 \div 8 = 6/8 = 3/4$.
Divide fractions into whole numbers e.g $10 \div 1/8 = 80$

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