

Code Cracker**Crack the code!**

Each letter A to G stands for one of these digits:

1 3 4 5 6 8 9

These calculations are in the code.

$$A + A = B$$

$$A \times A = DF$$

$$C + C = DB$$

$$C \times C = BD$$

$$A + C = DE$$

$$A \times C = EF$$

**What would be the code
for the answer to
DG x FE ?**

Learning and Teaching Objectives

- Identify the given facts and prioritise them
- Look for any relationships and patterns in the information given
- Choose and use a recording system to organise the given information
- Check the answer meets all the criteria

Code Cracker Solution

$$A = 4$$

$$B = 8$$

$$C = 9$$

$$D = 1$$

$$E = 3$$

$$F = 6$$

$$G = 5$$

$$DG \times FE = CAG$$