

Advanced Level 17 LESSON

LESSON 17

SEARCHING FOR COMPATIBLES



When you have a chain of numbers to add in your head, it's easy if you do it

one
step
at
a
time.

$$\begin{array}{r}
 130 + 50 + 70 + 20 + 50 \\
 \underbrace{\hspace{1.5cm}} \\
 180 + 70 \\
 \underbrace{\hspace{1.5cm}} \\
 250 + 20 \\
 \underbrace{\hspace{1.5cm}} \\
 270 + 50 \\
 \underbrace{\hspace{1.5cm}} \\
 320
 \end{array}$$

Here's another trick to make a chain easy to handle:

Look for compatible pairs.

$$\begin{array}{c}
 \text{200} \\
 \underbrace{\hspace{1.5cm}} \\
 130 + 50 + 70 + 20 + 50 \\
 \underbrace{\hspace{1.5cm}} \\
 \text{100}
 \end{array}$$

200 plus 100 is 300,
plus 20 is 320.



TRY THESE IN YOUR HEAD.

Look for compatible pairs.

1. $60 + 75 + 40$
2. $45 + 35 + 15$
3. $60 + 45 + 50 + 5$
4. $35 + 30 + 15 + 70$
5. $20 + 35 + 15 + 80 + 40$
6. $80 + 50 + 20 + 75 + 25$
7. $75 + 60 + 25 + 15 + 40$
8. $15 + 20 + 25 + 35 + 30$
9. $40 + 75 + 50 + 60 + 25$
10. $85 + 65 + 35 + 15 + 75 + 25$

