4:12 Extension

(Multiplication and Division)

1

Strategy 1: 28 × 3 = 20 × 3 + 8 × 3 = ☐ + ☐ = ☐

a 26 × 7 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

b 33 × 6 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

c 32 × 5 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

d 44 × 8 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

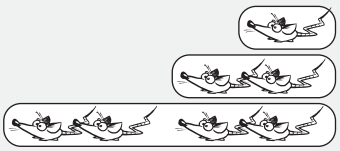
Try these in your head.

e 42 × 4 = ☐ **f** 51 × 5 = ☐ **g** 32 × 3 = ☐

2

Strategy 2: To multiply by 4, double and double again.

28 × 4 = (28 × 2) + (28 × 2) = ☐ + ☐ = ☐



a 33 × 4 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

b 54 × 4 = ☐ × ☐ + ☐ × ☐

= ☐ + ☐

= ☐

Do these in your head.

c 51 × 4 = ☐ **d** 24 × 4 = ☐ **e** 25 × 4 = ☐

3

Strategy 3: To multiply even numbers by 5 use factors; (❑ × 2) × 5 = ❑ × 10.

a 16 × 5 = (8 × 2) × 5

= 8 × 10

= ☐

b 18 × 5 = 9 × 2 × 5

= ☐ × ☐

= ☐

c 24 × 5 = ☐ × 2 × ☐

= ☐ × ☐

= ☐

©Alan McSeveny