

Y6	Use efficient methods: Large Integer x U (e.g 2347 x 28) Large Integer x T U (e.g 2347 x 84) Decimal (upto2dp) x U (e.g 3.62 x 7)	Grid method $ \frac{x}{2000}   300   40   7 $ $ \frac{10}{8}   40,000   6000   800   40 $ $ \frac{116.000}{8}   2400   320   56 $ $ \frac{1}{5}   18,776 $ $ \frac{1}{5}   716 $	Expanded vertical  2347  x84  160 (40 y4)  160 (30 x4)  (000 (100 y4)  (100 y4)  (100 y4)  (100 y4)  (100 y4)	Compact vertical 256 × 18 (estimate: 250 × 20 = 5000)  256 × 18 2560 2048 4608 1  Answer: 256 × 18 = 4608   X 7 2 5 7 2 5 7 4 7	Bar method is not an efficient visualisation method in these examples	Rapid recall facts to 12 x 12 Square numbers Cube numbers Idedfity common primes, factor and multiples	Mental calculatio including mixed operation and large numbers
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