

Estimation on multiplication sums [Approximate to be able to do in your head!].

Section: A

1. $38 \times 23 \approx 40 \times 20 =$
2. $53 \times 18 \approx$ \times $=$
3. $12 \times 57 \approx$ \times $=$
4. $26 \times 64 \approx$ \times $=$
5. $92 \times 17 \approx$ \times $=$
6. $74 \times 36 \approx$ \times $=$
7. $22 \times 89 \approx$ \times $=$
8. $9 \times 74.2 \approx$ \times $=$
9. $19.9 \times 24.7 \approx$ \times $=$
10. $309 \times 273 \approx$ \times $=$
11. $432 \times 257 \approx$ \times $=$
12. $588 \times 204 \approx$ \times $=$
13. $230 \times 746 \approx$ \times $=$
14. $186 \times 347 \approx$ \times $=$
15. $651 \times 461 \approx$ \times $=$

Section: B

1. $12.4 \times 5.2 \approx 10 \times 5 =$
2. $25.6 \times 23 \approx$ \times $=$
3. $18.2 \times 12 \approx$ \times $=$
4. $29 \times 4.7 \approx$ \times $=$
5. $22 \times 6.3 \approx$ \times $=$
6. $13.2 \times 203 \approx$ \times $=$
7. $9.7 \times 56.1 \approx$ \times $=$
8. $106 \times 4.2 \approx$ \times $=$
9. $25.7 \times 34 \approx$ \times $=$
10. $289 \times 3.4 \approx$ \times $=$
11. $1.46 \times 99 \approx$ \times $=$
12. $2.96 \times 44.9 \approx$ \times $=$
13. $0.82 \times 349 \approx$ \times $=$
14. $67.1 \times 3.7 \approx$ \times $=$
15. $650 \times 14.2 \approx$ \times $=$

Estimation on division sums [Approximate to be able to do in your head!].

Section: A

1. $275 \div 46 \approx 300 \div 50 =$
2. $56 \div 18 \approx$ \div $=$
3. $62 \div 32 \approx$ \div $=$
4. $38 \div 15 \approx$ \div $=$
5. $92 \div 31 \approx$ \div $=$
6. $78 \div 36 \approx$ \div $=$
7. $34 \div 8 \approx$ \div $=$
8. $43 \div 5.1 \approx$ \div $=$
9. $43 \div 4.8 \approx$ \div $=$
10. $76 \div 3.7 \approx$ \div $=$
11. $42.6 \div 7.7 \approx$ \div $=$
12. $19.9 \div 4.7 \approx$ \div $=$
13. $37.1 \div 21.4 \approx$ \div $=$
14. $234 \div 48 \approx$ \div $=$
15. $251 \div 58 \approx$ \div $=$

Section: B

1. $12.4 \div 5.2 \approx 10 \div 5 =$
2. $15.7 \div 4.1 \approx$ \div $=$
3. $23.9 \div 4.6 \approx$ \div $=$
4. $34.7 \div 9.9 \approx$ \div $=$
5. $57.1 \div 17 \approx$ \div $=$
6. $214 \div 48 \approx$ \div $=$
7. $412 \div 53 \approx$ \div $=$
8. $436 \div 79 \approx$ \div $=$
9. $643 \div 28 \approx$ \div $=$
10. $784 \div 17.6 \approx$ \div $=$
11. $763 \div 181 \approx$ \div $=$
12. $931 \div 325 \approx$ \div $=$
13. $1432 \div 479 \approx$ \div $=$
14. $2941 \div 561 \approx$ \div $=$
15. $6145 \div 215 \approx$ \div $=$

Teaching notes:

This could be fun to do as a beat the clock timed exercise.

Answers:

Multiplication

Section A:

1. 800 2. 1000 3. 600 4. 1800 5. 1800 6. 2800 7. 1800 8. 700 9. 400 10. 90000 11. 120000 12. 120000 13. 140000 14. 60000 15. 350000

Section B:

1. 50 2. 600 3. 200 4. 150 5. 120 6. 2000 7. 600 8. 400 9. 900 10. 900 11. 100 12. 120 13. 240 14. 280 15. 7000

Division

Some of the division answers require adjustment from the rounded numbers in order to avoid decimal answers.

Section A:

1. 6 2. 3 3. 2 4. 2 5. 3 6. 2 7. 3 8. 8 9. 8 10. 20 11. 5 12. 4 13. 2 14. 4 15. 5

Section B:

1. 2 2. 5 3. 4 4. 3 5. 3 6. 4 7. 8 8. 5 9. 20 10. 40 11. 4 12. 3 13. 2 14. 5 15. 30