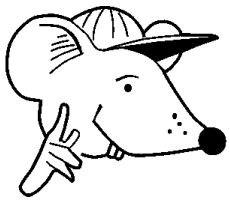
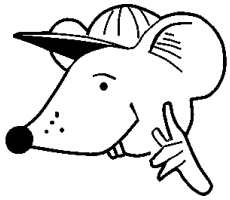
Back to Previous Menu



MATHEMATICS



N.S. Yr. 5 P.45

Using known number facts and place value to add or subtract pairs of numbers mentally.

Equipment

Paper, pencil.

MathSphere

Concepts

Children should be familiar with addition and subtraction of three-digit numbers involving multiples of 10. Eg. 320 + 580 or 730 – 240

They should be able to add three or more multiples of 100.
Eg. 600 + 900 + 500 .

They should be able to add/subtract a three or four digit multiple of a hundred to/from a three or four digit number, crossing the thousands boundary.
Eg. 534 + 800 or 1 532 – 600.

They should be able to add a three digit number to a three digit multiple of 10.
Eg. 240 +165 or 630 + 423.

They should also be able to work out what needs to be added to a number to make the next highest multiple of 100.
Eg. What needs to be added to 563 to make 600 ?

They should also be able to say what needs to be added to a decimal with tenths to make the next highest whole number.
Eg. What needs to be added to 6.3 to make 7 ?

 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

1. 230 + 140

2. 650 + 340

3. 260 + 120

4. 470 + 140

5. 520 + 360

6. 540 + 280

7. 580 + 130

8. 520 + 370

9. 650 + 150

10. 720 + 260

11. 840 + 150

12. 670 + 240

13. 630 + 310

14. 850 + 140

15. 520 + 220

16. 550 + 160

17. 840 + 130

18. 640 + 230

19. 740 + 240

20. 630 + 290

21. 240 – 130

22. 860 – 290

23. 530 – 170

24. 740 – 180

25. 900 – 250

26. 740 – 360

27. 730 – 280

28. 520 – 420

29. 850 – 330

30. 620 – 380

31. 900 – 540

32. 640 – 260

33. 630 – 540

34. 850 – 260

35. 630 – 180

36. 930 – 640

37. 630 – 330

38. 730 – 240

39. 850 – 270

40. 530 – 360

Notice these are all multiples of 10.

You should be able to do them in your head.

Good luck!

 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

1. 530 + 230

2. 630 + 190

3. 720 + 190

4. 460 + 340

5. 730 + 260

6. 720 + 230

7. 740 + 210

8. 180 + 150

9. 430 + 270

10. 180 + 190

11. 440 + 270

12. 370 + 390

13. 260 + 540

14. 380 + 120

15. 430 + 480

16. 620 + 370

17. 260 + 590

18. 540 + 620

19. 720 + 170

20. 780 + 240

21. 800 – 120

22. 730 – 340

23. 520 – 180

24. 730 – 260

25. 720 – 350

26. 960 – 250

27. 620 – 340

28. 900 – 780

29. 430 – 190

30. 830 – 740

31. 930 – 280

32. 850 – 240

33. 900 – 730

34. 940 – 120

35. 730 – 160

36. 860 – 240

37. 520 –340

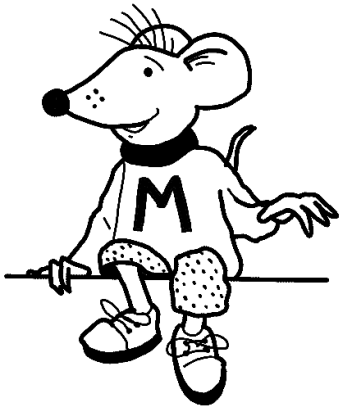
38. 630 – 180

39. 940 – 160

40. 720 – 130

Here are some more sums involving multiples of ten.

Be prepared to explain how you did them.



 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

Without doing any written working, say which numbers go in the boxes:

1. 130 + ☐ = 280

2. 430 + ☐ = 620

3. ☐ + 200 = 540

4. 520 + ☐ = 780

5. 740 + ☐ = 900

6. 770 + ☐ = 850

7. 230 + ☐ = 740

8. 150 + ☐ = 840

9. 730 + ☐ = 900

10. ☐ + 250 = 760

11. 430 + ☐ = 820

12. 270 + ☐ = 760

13. 310 + ☐ = 650

14. 730 + ☐ = 900

15. 500 + ☐ = 890

16. 670 – ☐ = 430

17. 890 – ☐ = 320

18. ☐ – 180 = 540

19. 500 – ☐ = 360

20. 330 – ☐ = 180

21. 730 – ☐ = 290

22. 840 – ☐ = 230

23. 150 – ☐ = 80

24. 670 – ☐ = 210

25. ☐ – 150 = 290

26. 520 – ☐ = 360

27. 420 – ☐ = 160

28. 620 – ☐ = 340

29. 900 – ☐ = 250

30. 670 – ☐ = 580

This lot should strain your brain.

Go carefully.

Without doing any written working, say which numbers go in the boxes:

1. 740 + ☐ = 820

2. 350 + ☐ = 690

3. ☐ + 150 = 340

4. 280 + ☐ = 560

5. 620 + ☐ = 900

6. 730 + ☐ = 940

7. 630 + ☐ = 840

8. 230 + ☐ = 900

9. 840 + ☐ = 930

10. ☐ + 240 = 370

11. 730 + ☐ = 960

12. 720 + ☐ = 880

13. 320 + ☐ = 750

14. 230 + ☐ = 730

15. 240 + ☐ = 560

16. 290 – ☐ = 110

17. 750 – ☐ = 380

18. ☐ – 210 = 420

19. 510 – ☐ = 470

20. 840 – ☐ = 260

21. 900 – ☐ = 80

22. 530 – ☐ = 270

23. 830 – ☐ = 740

24. 780 – ☐ = 450

25. ☐ – 290 = 620

26. 570 – ☐ = 310

27. 630 – ☐ = 240

28. 900 – ☐ = 750

29. 730 – ☐ = 240

30. 600 – ☐ = 250

Think carefully how you could do these sums.

A good method could make your work more accurate.

Without doing any written working, answer these questions.

1. 200 + 500 + 500

2. 600 + 300 + 700

3. 200 + 600 + 900

4. 500 + 100 + 800

5. 700 + 300 + 600

6. 200 + 400 + 900

7. 800 + 800 + 800

8. 700 + 600 + 300

9. 900 + 100 + 800

10. 200 + 500 + 600

11. 800 + 300 + 100

12. 800 + 700 + 600

13. 400 + 500 + 800

14. 900 + 500 + 900

15. 700 + 800 + 600

16. 500 + ☐ = 1 200

17. 700 + ☐ = 2 300

18. ☐ + 600 = 1 300

19. 900 + ☐ = 2 500

20. 700 + ☐ = 5 200

21. ☐ + 400 = 1 600

22. 800 + ☐ = 1 400

23. 200 + ☐ = 2 100

24. 4 200 – ☐ = 700

25. ☐ – 800 = 300

26. 2 500 – ☐ = 1 800

27. 5 100 – ☐ = 600

28. ☐ – 900 = 400

29. 2 400 – ☐ = 500

30. 1 300 – ☐ = 700

 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

Without doing any written working, answer these questions.

1. 600 + 400 + 700

2. 300 + 300 + 600

3. 500 + 700 + 300

4. 400 + 200 + 900

5. 800 + 400 + 700

6. 300 + 500 + 700

7. 200 + 200 + 900

8. 800 + 800 + 200

9. 700 + 600 + 300

10. 500 + 700 + 200

11. 900 + 200 + 500

12. 600 + 500 + 800

13. 300 + 200 + 900

14. 800 + 400 + 600

15. 300 + 300 + 700

16. 800 + ☐ = 1 500

17. 900 + ☐ = 1 400

18. ☐ + 400 = 1 500

19. 800 + ☐ = 4 300

20. 300 + ☐ = 2 200

21. ☐ + 700 = 1 800

22. 300 + ☐ = 1 800

23. 700 + ☐ = 1 600

24. 1 300 – ☐ = 500

25. ☐ – 400 = 600

26. 1 600 – ☐ = 800

27. 4 200 – ☐ = 300

28. ☐ – 400 = 700

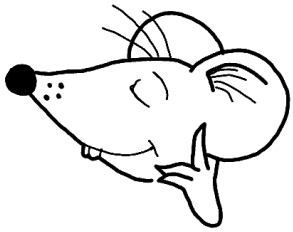
29. 1 700 – ☐ = 900

30. 1 400 – ☐ = 800

More hundreds.

Sometimes it helps to think in tens or hundreds or even thousands.

Good luck!



Without doing any written working, give the answers to these questions:

1. 537 + 400

2. 847 + 500

3. 521 + 700

4. 756 + 700

5. 629 + 400

6. 999 + 500

7. 937 + 100

8. 763 + 600

9. 1 567 – 700

10. 1 737 – 900

11. 1 634 – 800

12. 3 634 – 600

13. 4 356 – 800

14. 6 739 – 900

15. 1 527 – 700

16. 637 + ☐ = 1 537

17. 563 + ☐ = 1 263

18. ☐ + 400 = 1 367

19. 600 + ☐ = 1 352

20. 900 + ☐ = 1 462

21. ☐ + 700 = 1 365

22. 890 + ☐ = 1 490

23. 1 468 + ☐ = 968

24. 1 284 – ☐ = 900

25. ☐ – 700 = 530

26. 1 523 – ☐ = 923

27. 1 443 – ☐ = 743

28. ☐ – 962 = 700

29. 1 744 – ☐ = 844

30. 1 633 – ☐ = 833

Big clue:

In every sum there is a multiple of 100 somewhere.

Without doing any written working, give the answers to these questions:

1. 365 + 800

2. 548 + 600

3. 173 + 900

4. 584 + 600

5. 856 + 800

6. 744 + 300

7. 952 + 700

8. 845 + 200

9. 1 244 – 400

10. 1 376 – 500

11. 1 633 – 800

12. 3 523 – 700

13. 4 834 – 900

14. 1 535 – 700

15. 1 222 – 600

16. 863 + ☐ = 1 463

17. 900 + ☐ = 1 342

18. ☐ + 800 = 1 534

19. 587 + ☐ = 1 387

20. 379 + ☐ = 1 279

21. ☐ + 900 = 1 478

22. 673 + ☐ = 1 573

23. 733 + ☐ = 1 633

24. 1 839 – ☐ = 939

25. ☐ – 400 = 747

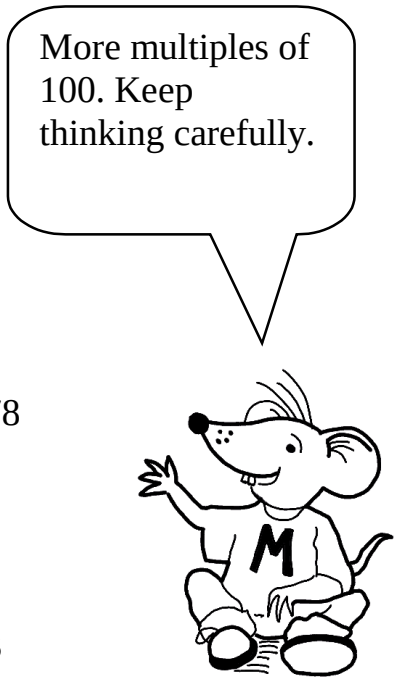
26. 1 634 – ☐ = 934

27. 1 555 – ☐ = 800

28. ☐ – 700 = 538

29. 1 665 – ☐ = 765

30. 1 734 – ☐ = 300



 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

Without doing any written working, give the answers to these questions:

1. 450 + 246

2. 850 + 336

3. 740 + 529

4. 430 + 364

5. 820 + 247

6. 720 + 516

7. 118 + 680

8. 667 + 730

9. 478 – 250

10. 746 – 320

11. 973 – 270

12. 684 – 440

13. 887 – 260

14. 938 – 610

15. 746 – 320

16. 723 + ☐ = 963

17. 270 + ☐ = 885

18. ☐ + 240 = 567

19. 320 + ☐ = 874

20. 520 + ☐ = 734

21. ☐ + 360 = 488

22. 620 + ☐ = 945

23. 352 + ☐ = 472

24. 687 – ☐ = 357

25. ☐ – 425 = 310

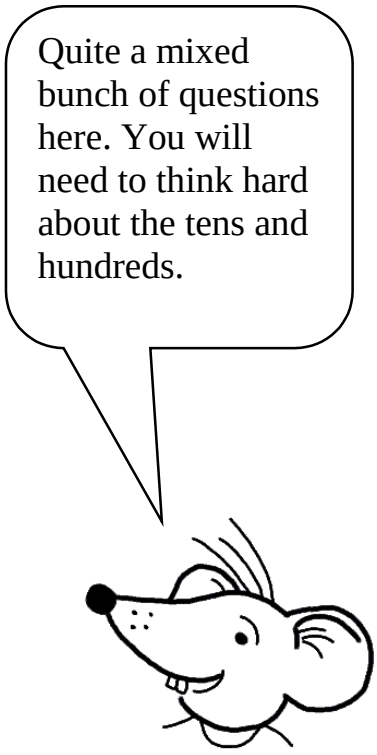
26. 538 – ☐ = 218

27. 639 – ☐ = 319

28. ☐ – 230 = 646

29. 739 – ☐ = 519

30. 647 – ☐ = 230



 P.O. Box 1234 Worthing BN13 2UJ www.mathsphere.co.uk

Without doing any written working, give the answers to these questions:

1. 760 + 427

2. 630 + 548

3. 450 + 239

4. 720 + 352

5. 730 + 546

6. 480 + 312

7. 358 + 340

8. 448 + 840

9. 845 – 320

10. 953 – 540

11. 847 – 620

12. 376 – 150

13. 382 – 240

14. 328 – 160

15. 665 – 440

16. 564 + ☐ = 774

17. 783 + ☐ = 1 483

18. ☐ + 450 = 764

19. 480 + ☐ = 694

20. 320 + ☐ = 654

21. ☐ + 470 = 894

22. 430 + ☐ = 648

23. 376 + ☐ = 776

24. 538 – ☐ = 210

25. ☐ – 372 = 620

26. 527 – ☐ = 317

27. 529 – ☐ = 410

28. ☐ – 430 = 656

29. 858 – ☐ = 428

30. 466 – ☐ = 230

Without doing any written working, give the answers to these questions:

1. What must be added to 789 to make 800 ?

2. What must be added to 854 to make 900 ?

3. What must be added to 546 to make 600 ?

4. What must be added to 399 to make 400 ?

5. What must be added to 732 to make 800 ?

6. What must be added to 573 to make 600 ?

7. What must be added to 967 to make 1 000 ?

8. What must be added to 744 to make 800 ?

9. What must be added to 123 to make 200 ?

10. 745 + ☐ = 800

11. 334 + ☐ = 400

12. 349 + ☐ = 400

13. 645 + ☐ = 700

14. 845 + ☐ = 900

15. 319 + ☐ = 400

Without doing any written working, give the answers to these questions:

1. What must be added to 569 to make 600 ?

2. What must be added to 274 to make 300 ?

3. What must be added to 831 to make 900 ?

4. What must be added to 635 to make 700 ?

5. What must be added to 876 to make 900 ?

6. What must be added to 945 to make 1 000 ?

7. What must be added to 845 to make 900 ?

8. What must be added to 212 to make 300 ?

9. What must be added to 721 to make 800 ?

10. 597 + ☐ = 600

11. 111 + ☐ = 200

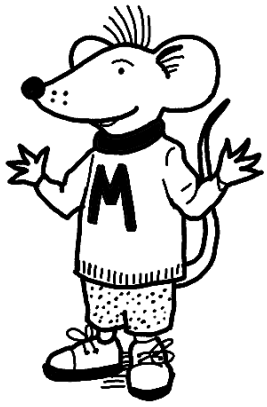
12. 834 + ☐ = 900

13. 352 + ☐ = 400

14. 219 + ☐ = 300

15. 755 + ☐ = 800

This is a nice easy page to relax you. This should be a piece of Dundee** after page 12 !



**Dundee -
A special sort of cake loved my Maths Rats!

Without doing any written working, give the answers to these questions:

1. What must be added to 5.6 to make 6 ?

2. What must be added to 7.2 to make 8 ?

3. What must be added to 9.6 to make 10 ?

4. What must be added to 3.8 to make 4 ?

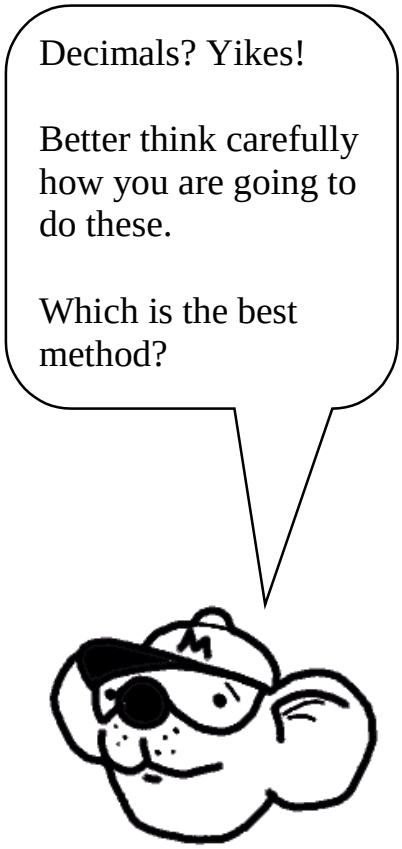
5. What must be added to 2.7 to make 3 ?

6. What must be added to 8.8 to make 9 ?

7. What must be added to 3.5 to make 4 ?

8. What must be added to 4.4 to make 5 ?

9. What must be added to 2.6 to make 3 ?



10. 6.8 + ☐ = 7

11. 2.8 + ☐ = 3

12. 1.9 + ☐ = 2

13. 5.5 + ☐ = 6

14. 1.3 + ☐ = 2

15. 7.4 + ☐ = 8

Without doing any written working, give the answers to these questions:

1. What must be added to 9.5 to make 10 ?

2. What must be added to 5.7 to make 6 ?

3. What must be added to 1.8 to make 2 ?

4. What must be added to 4.3 to make 5 ?

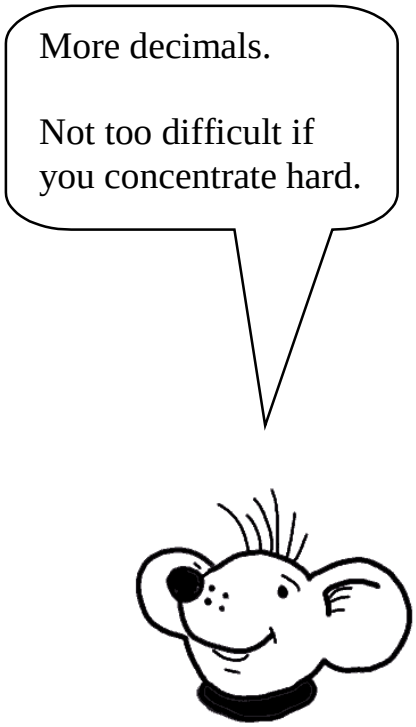
5. What must be added to 7.8 to make 8 ?

6. What must be added to 5.4 to make 6 ?

7. What must be added to 2.6 to make 3 ?

8. What must be added to 9.1 to make 10 ?

9. What must be added to 6.6 to make 7 ?



10. 9.7 + ☐ = 10

11. 5.3 + ☐ = 8

12. 4.6 + ☐ = 5

13. 3.8 + ☐ = 4

14. 5.9 + ☐ = 6

15. 4.5 + ☐ = 5

Answers

Page 3

1. 370	**2.** 990	**3.** 380	**4.** 610	**5.** 880	**6.** 820	**7.** 710
8. 890	**9.** 800	**10.** 980	**11.** 990	**12.** 910	**13.** 940	**14.** 990
15. 740	**16.** 710	**17.** 970	**18.** 870	**19.** 980	**20.** 920	**21.** 110
22. 570	**23.** 360	**24.** 560	**25.** 650	**26.** 380	**27.** 450	**28.** 100
29. 520	**30.** 240	**31.** 360	**32.** 380	**33.** 90	**34.** 590	**35.** 450
36. 290	**37.** 300	**38.** 490	**39.** 580	**40.** 170		

Page 4

1. 760	**2.** 820	**3.** 910	**4.** 800	**5.** 990	**6.** 950	**7.** 950
8. 330	**9.** 700	**10.** 370	**11.** 710	**12.** 760	**13.** 800	**14.** 500
15. 910	**16.** 990	**17.** 850	**18.** 1 160	**19.** 890	**20.** 1 020	**21.** 680
22. 390	**23.** 340	**24.** 470	**25.** 370	**26.** 710	**27.** 280	**28.** 120
29. 240	**30.** 90	**31.** 650	**32.** 610	**33.** 170	**34.** 820	**35.** 570
36. 620	**37.** 180	**38.** 450	**39.** 780	**40.** 590		

Page 5

1. 150	**2.** 190	**3.** 340	**4.** 260	**5.** 160	**6.** 80	**7.** 510
8. 690	**9.** 170	**10.** 510	**11.** 390	**12.** 490	**13.** 340	**14.** 170
15. 390	**16.** 240	**17.** 570	**18.** 720	**19.** 140	**20.** 150	**21.** 440
22. 610	**23.** 70	**24.** 460	**25.** 440	**26.** 160	**27.** 260	**28.** 280
29. 650	**30.** 90					

Page 6

1. 80	**2.** 340	**3.** 190	**4.** 280	**5.** 280	**6.** 210	**7.** 210
8. 670	**9.** 90	**10.** 130	**11.** 230	**12.** 160	**13.** 430	**14.** 500
15. 320	**16.** 180	**17.** 370	**18.** 630	**19.** 40	**20.** 580	**21.** 820
22. 260	**23.** 90	**24.** 330	**25.** 910	**26.** 260	**27.** 390	**28.** 150
29. 490	**30.** 350					

Page 7

1. 1 200	**2.** 1 600	**3.** 1 700	**4.** 1 400	**5.** 1 600	**6.** 1 500	**7.** 2 400
8. 1 600	**9.** 1 800	**10.** 1 300	**11.** 1 200	**12.** 2 100	**13.** 1 700	**14.** 2 300
15. 2 100	**16.** 700	**17.** 1 600	**18.** 700	**19.** 1 600	**20.** 4 500	**21.** 1 200
22. 600	**23.** 1 900	**24.** 3 500	**25.** 1 100	**26.** 700	**27.** 4 500	**28.** 1 300
29. 1 900	**30.** 600					

Page 8

1. 1 700	**2.** 1 200	**3.** 1 500	**4.** 1 500	**5.** 1 900	**6.** 1 500	**7.** 1 300
8. 1 800	**9.** 1 600	**10.** 1 400	**11.** 1 600	**12.** 1 900	**13.** 1 400	**14.** 1 800
15. 1 300	**16.** 700	**17.** 500	**18.** 1 100	**19.** 3 500	**20.** 1 900	**21.** 1 100
22. 1 500	**23.** 900	**24.** 800	**25.** 1 000	**26.** 800	**27.** 3 900	**28.** 1 100
29. 800	**30.** 600					

Answers (Contd)

Page 9

1. 937	**2.** 1 347	**3.** 1 221	**4.** 1 456	**5.** 1 029	**6.** 1 499	**7.** 1 037
8. 1 363	**9.** 867	**10.** 837	**11.** 834	**12.** 3 034	**13.** 3 556	**14.** 5 839
15. 827	**16.** 900	**17.** 700	**18.** 967	**19.** 752	**20.** 562	**21.** 665
22. 600	**23.** 500	**24.** 384	**25.** 1 230	**26.** 600	**27.** 700	**28.** 1 662
29. 900	**30.** 800					

Page 10

1. 1 165	**2.** 1 148	**3.** 1 073	**4.** 1 184	**5.** 1 656	**6.** 1 044	**7.** 1 652
8. 1 045	**9.** 844	**10.** 876	**11.** 833	**12.** 2 823	**13.** 3 934	**14.** 835
15. 622	**16.** 600	**17.** 442	**18.** 734	**19.** 800	**20.** 900	**21.** 578
22. 900	**23.** 900	**24.** 900	**25.** 1 147	**26.** 700	**27.** 755	**28.** 1 238
29. 900	**30.** 1 434					

Page 11

1. 696	**2.** 1 186	**3.** 1 269	**4.** 794	**5.** 1 067	**6.** 1 236	**7.** 798
8. 1 397	**9.** 228	**10.** 426	**11.** 703	**12.** 244	**13.** 627	**14.** 328
15. 426	**16.** 240	**17.** 615	**18.** 327	**19.** 554	**20.** 214	**21.** 128
22. 325	**23.** 120	**24.** 330	**25.** 735	**26.** 320	**27.** 320	**28.** 876
29. 220	**30.** 417					

Page 12

1. 1 187	**2.** 1 178	**3.** 689	**4.** 1 072	**5.** 1 276	**6.** 792	**7.** 698
8. 1 288	**9.** 525	**10.** 413	**11.** 227	**12.** 226	**13.** 142	**14.** 168
15. 225	**16.** 210	**17.** 700	**18.** 314	**19.** 214	**20.** 334	**21.** 424
22. 218	**23.** 400	**24.** 328	**25.** 992	**26.** 210	**27.** 119	**28.** 1 086
29. 430	**30.** 236					

Page 13

1. 11	**2.** 46	**3.** 54	**4.** 1	**5.** 68	**6.** 27	**7.** 33
8. 56	**9.** 77	**10.** 55	**11.** 66	**12.** 51	**13.** 55	**14.** 55
15. 81						

Page 14

1. 31	**2.** 26	**3.** 69	**4.** 65	**5.** 24	**6.** 55	**7.** 55
8. 88	**9.** 79	**10.** 3	**11.** 89	**12.** 66	**13.** 48	**14.** 81
15. 45						

Page 15

1. 0.4	**2.** 0.8	**3.** 0.4	**4.** 0.2	**5.** 0.3	**6.** 0.2	**7.** 0.5
8. 0.6	**9.** 0.4	**10.** 0.2	**11.** 0.2	**12.** 0.1	**13.** 0.5	**14.** 0.7
15. 0.6						

Answers (Contd)

Page 16

1. 0.5	**2.** 0.3	**3.** 0.2	**4.** 0.7	**5.** 0.2	**6.** 0.6	**7.** 0.4
8. 0.9	**9.** 0.4	**10.** 0.3	**11.** 0.7	**12.** 0.4	**13.** 0.2	**14.** 0.1
15. 0.5						