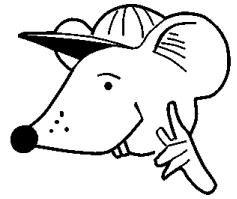




MATHEMATICS



N.S. Yr. 6 P.41

**Add or subtract decimals to
the nearest whole one and adjust.**

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

In Years 4 and 5 children should have met a lot of mental addition and subtraction of **9**, **19**, **29** etc.

This may well need to be revised before similar exercises with decimals are carried out in Year 6.

The same process can be carried out with addition and subtraction of decimals.

For example: **$4.7 + 2.9$**

This is similar to **$47 + 29$** . Mentally add **30** to **47** and then subtract **1**, making **76**.

With the decimal add **3** to **4.7** and then subtract **0.1**

$$4.7 + 2.9 \longrightarrow 4.7 + 3 = 7.7 \longrightarrow 7.7 - 0.1 = 7.6$$

It is still important to discuss how answers are achieved 'in your head' and explain these methods as they are often very different from doing the same sum on paper.

Add or subtract 0.9

When adding 0.9 to a number an easy way to do the sum quickly is to add 1 and then subtract 0.1.

For instance $4.5 + 0.9$: add 1 to 4.5 which equals 5.5

then subtract 0.1

this leaves 5.4 the correct answer!

Add 0.9 to the numbers below, as quickly as you can. Just write the answers down.

1. 2.6

2. 2.8

3. 3.7

4. 4.9

5. 7.3

6. 14.8

7. 11.9

8. 12.0

9. 8.1

10. 14.2

11. 6.6

12. 13.6

13. 11.2

14. 16.9

15. 14.7

16. 13.9

17. 5.6

18. 17.8

19. 12.9

20. 5.5

Sometimes it is easier just to add the 0.9 to a number.
Eg if there is just one tenth
 $4.1 + 0.9 = 5$



Now try **subtracting 0.9** from these numbers (subtract 1, add 0.1):

21. 6.6

22. 7.7

23. 1.8

24. 10.6

25. 5.9

26. 11.1

27. 4.5

28. 5.7

29. 7.2

30. 4.4

Add and subtract 0.9 and 1.9

When subtracting 0.9 from a number an easy way to do the sum quickly is to subtract 1 and then add 0.1

For instance $5.2 - 0.9$: subtract 1 from 5.2 which equals 4.2,

then add 0.1

this makes 4.3 the correct answer!

Subtract 0.9 from the numbers below, as quickly as you can. Just write the answers down.

1. 5.3

2. 9.9

3. 5.8

4. 3.7

5. 9.2

6. 9.6

7. 7.0

8. 5.1

9. 12.5

10. 10.4

11. 7.2

12. 18.1

13. 5.2

14. 12.7

15. 10.4

16. 8.3

17. 12.6

18. 10.0

19. 11.8

20. 16.1

Not much different from taking 9 away really - just watch out for the decimal point.



Now try **adding 1.9** to these numbers (add 2, subtract 0.1):

21. 6.5

22. 10.9

23. 14.1

24. 1.8

25. 2.9

26. 8.7

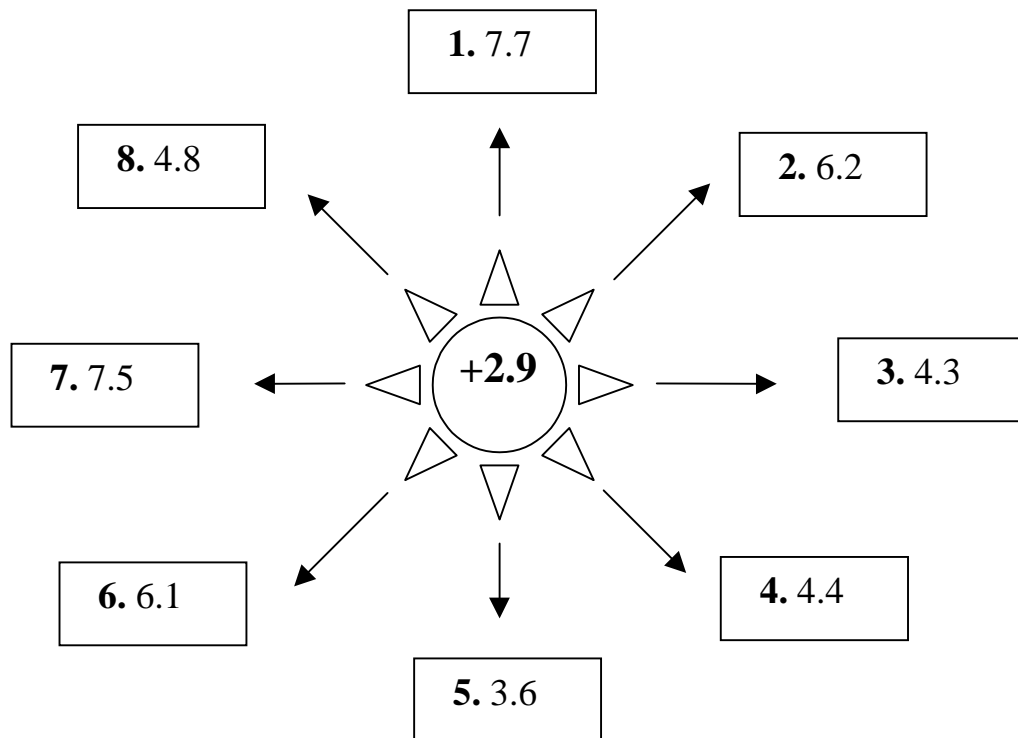
27. 17.2

28. 13.6

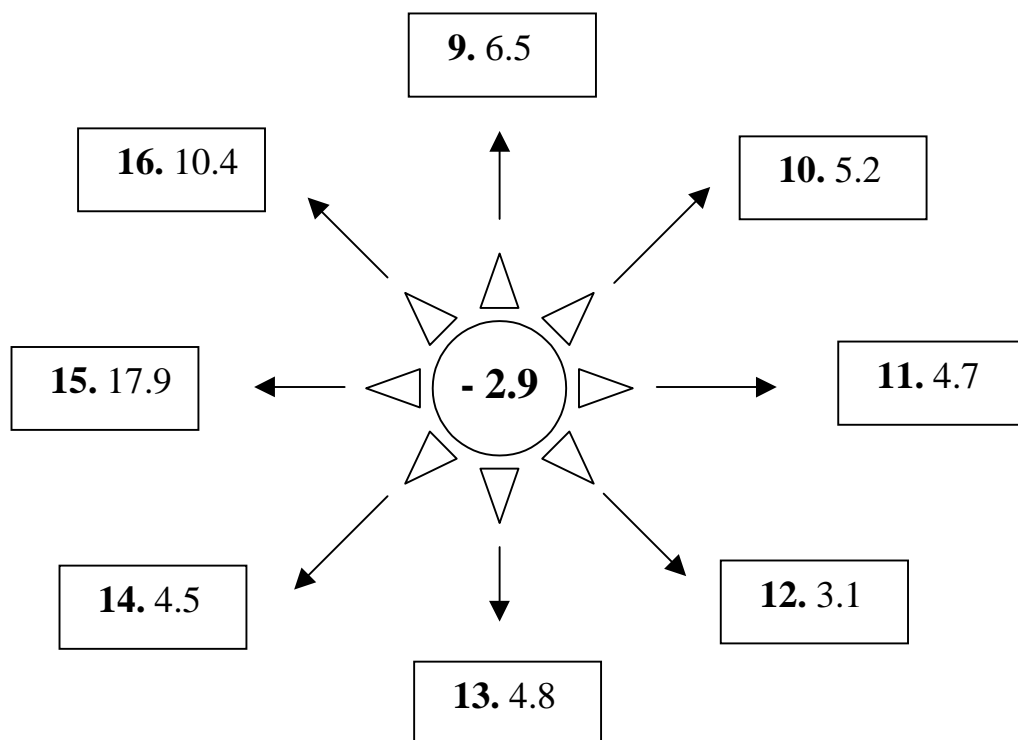
29. 7.4

30. 9.3

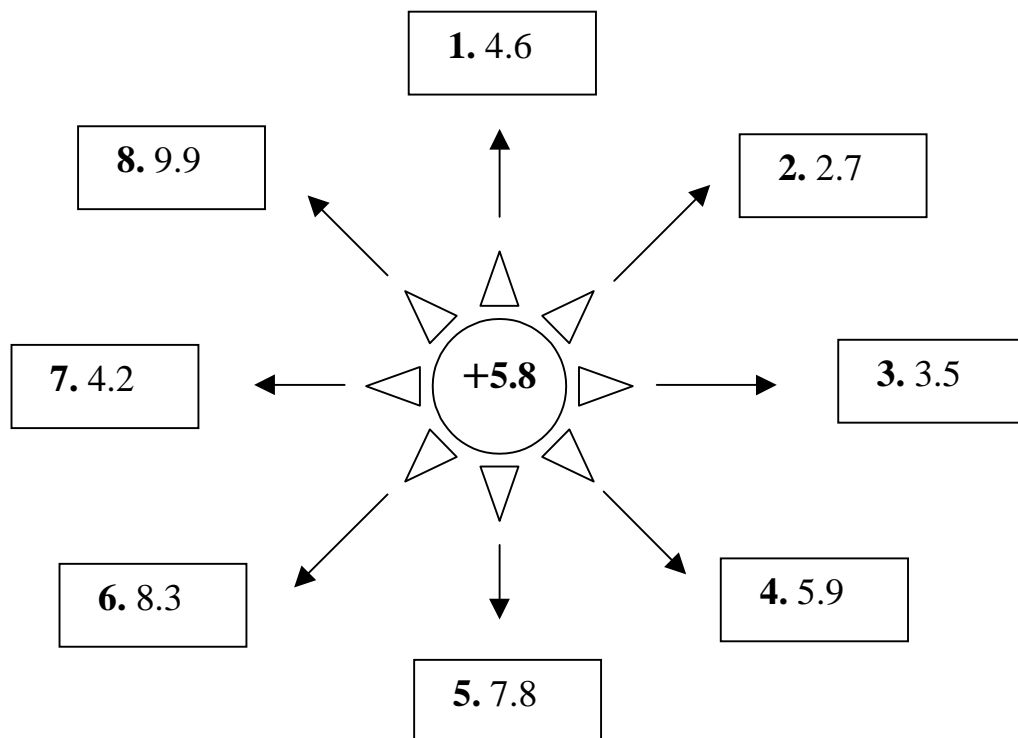
Add 2.9 to each of the numbers in the boxes below:



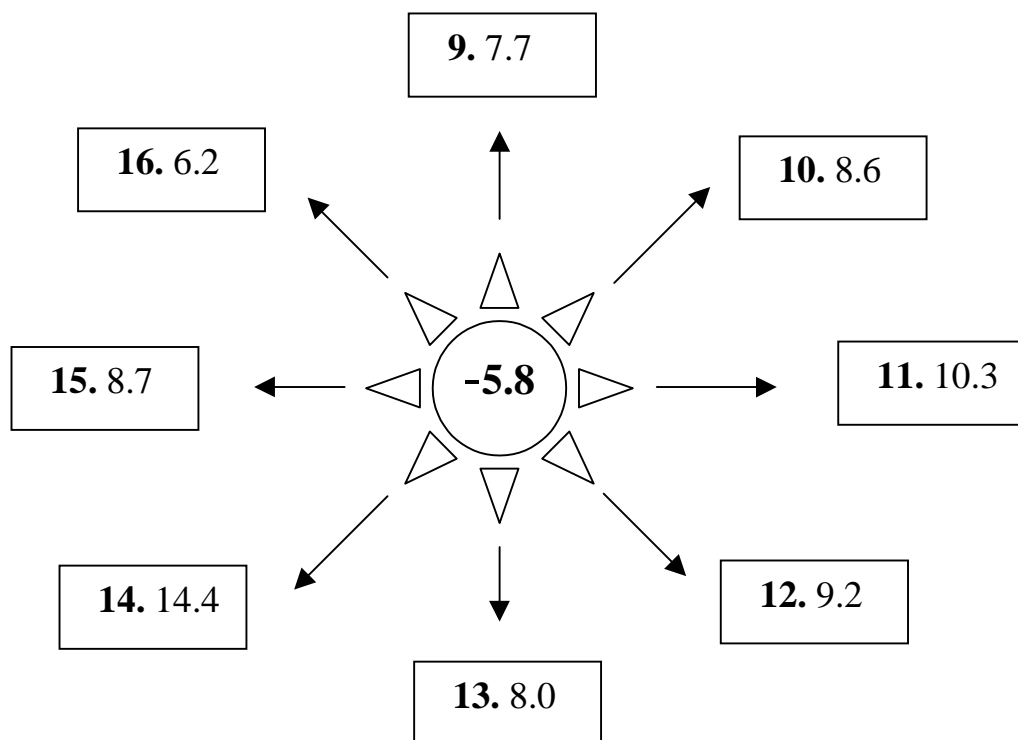
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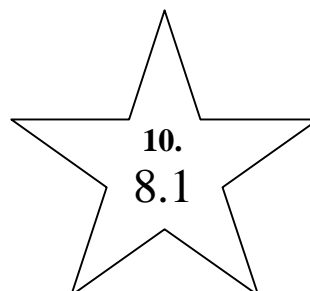
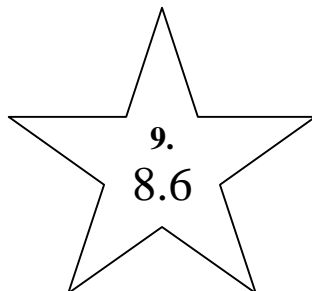
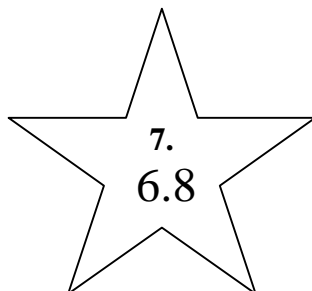
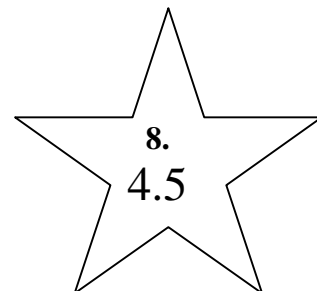
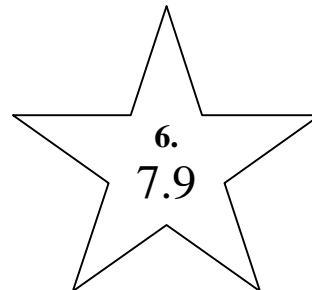
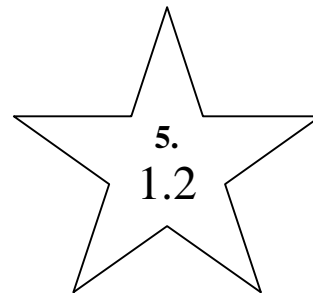
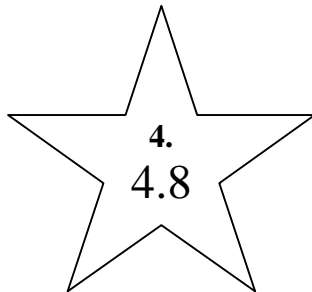
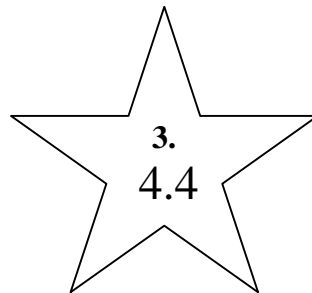
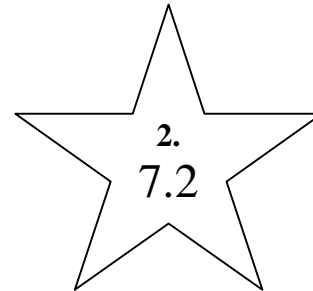
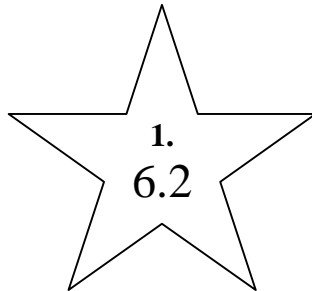
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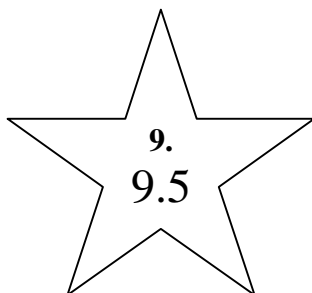
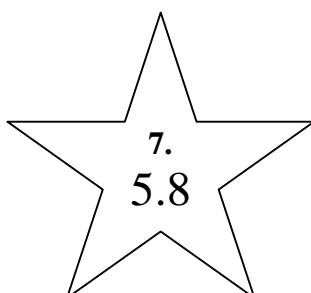
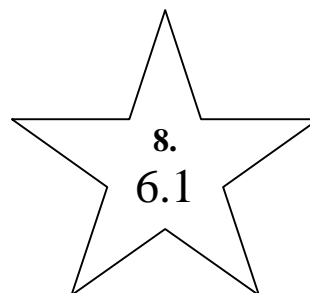
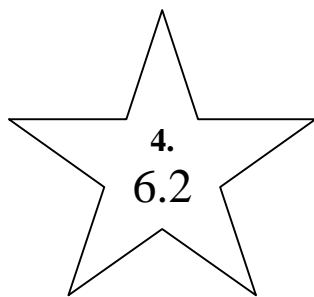
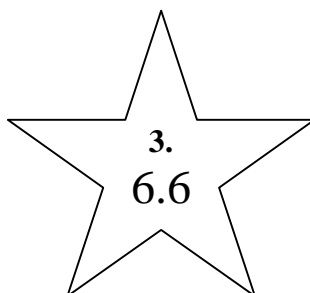
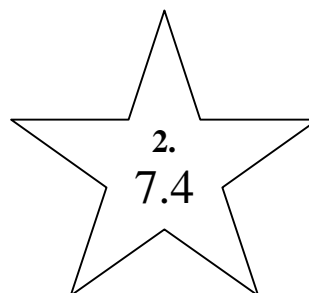
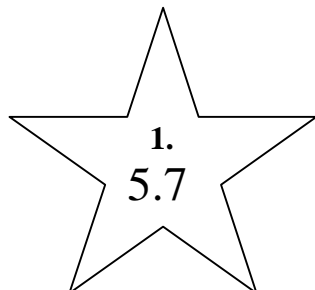
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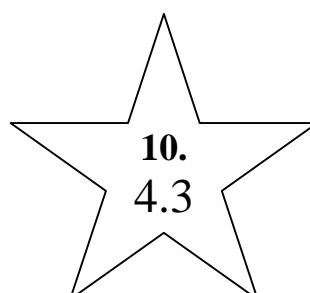
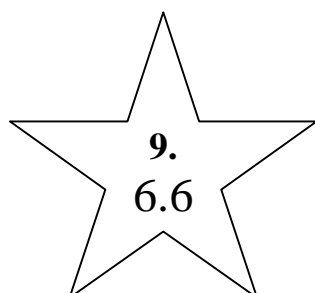
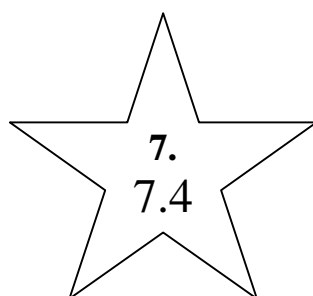
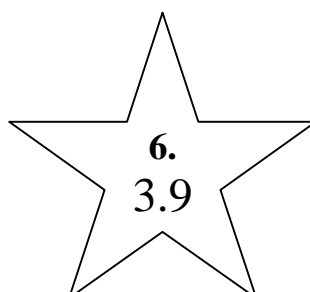
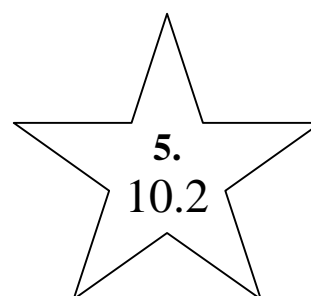
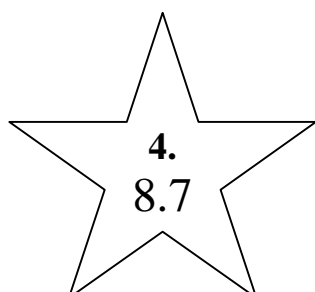
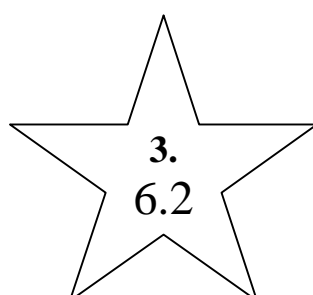
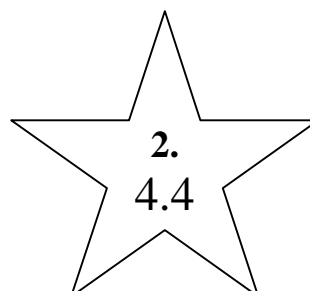
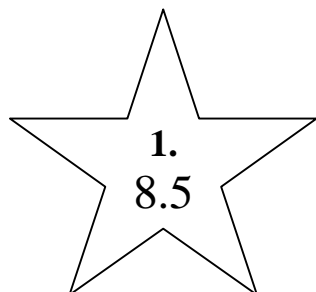
Add 8.9 to each of the numbers below. Write answers only.



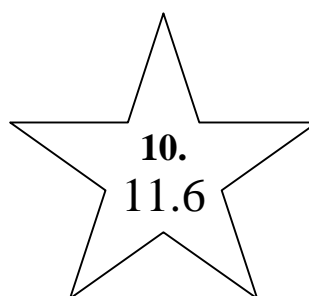
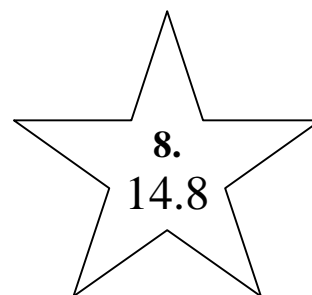
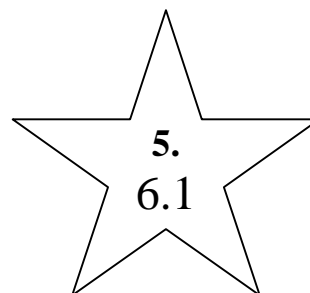
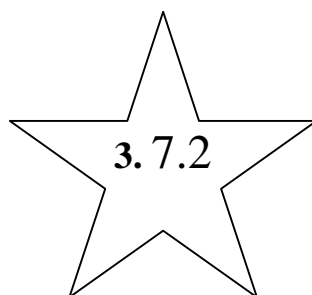
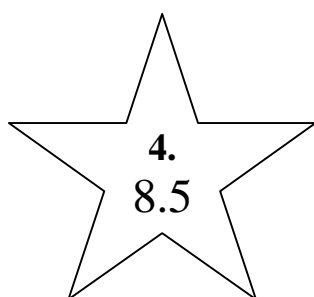
Add 7.9 to each of the numbers below. Write answers only.



Take 3.7 from the numbers in the stars. Write answers only.



Take 4.8 from the numbers in the stars. Write answers only.



Answers

Page3

1. 3.5 2. 3.7 3. 4.6 4. 5.8 5. 8.2 6. 15.7 7. 12.8 8. 12.9
 9. 9.0 10. 15.1 11. 7.5 12. 14.5 13. 12.1 14. 17.8 15. 15.6 16. 14.8
 17. 6.5 18. 18.7 19. 13.8 20. 6.4 21. 5.7 22. 6.8 23. 0.9 24. 9.7
 25. 5.0 26. 10.2 27. 3.6 28. 4.8 29. 6.3 30. 3.5

Page4

1. 4.4 2. 9.0 3. 4.9 4. 2.8 5. 8.3 6. 8.7 7. 6.1 8. 4.2
 9. 11.6 10. 9.5 11. 6.3 12. 17.2 13. 4.3 14. 11.8 15. 9.5 16. 7.4
 17. 11.7 18. 9.1 19. 10.9 20. 15.2 21. 8.4 22. 12.8 23. 16.0 24. 3.7
 25. 4.8 26. 10.6 27. 19.1 28. 15.5 29. 9.3 30. 11.2

Page 5

1. 10.6 2. 9.1 3. 7.2 4. 7.3 5. 6.5 6. 9.0 7. 10.4 8. 7.7
 9. 3.6 10. 2.3 11. 1.8 12. 0.2 13. 1.9 14. 1.6 15. 15.0 16. 7.5

Page 6

1. 10.4 2. 8.5 3. 9.3 4. 11.7 5. 13.6 6. 14.1 7. 10.0 8. 15.7
 9. 1.9 10. 2.8 11. 4.5 12. 3.4 13. 2.2 14. 8.6 15. 2.9 16. 0.4

Page 7

1. 15.1 2. 16.1 3. 13.3 4. 13.7 5. 10.1 6. 16.8 7. 15.7
 8. 13.4 9. 17.5 10. 17.0

Page 8

1. 13.6 2. 15.3 3. 14.5 4. 14.1 5. 16.7 6. 15.2 7. 13.7
 8. 14.0 9. 17.4 10. 16.8

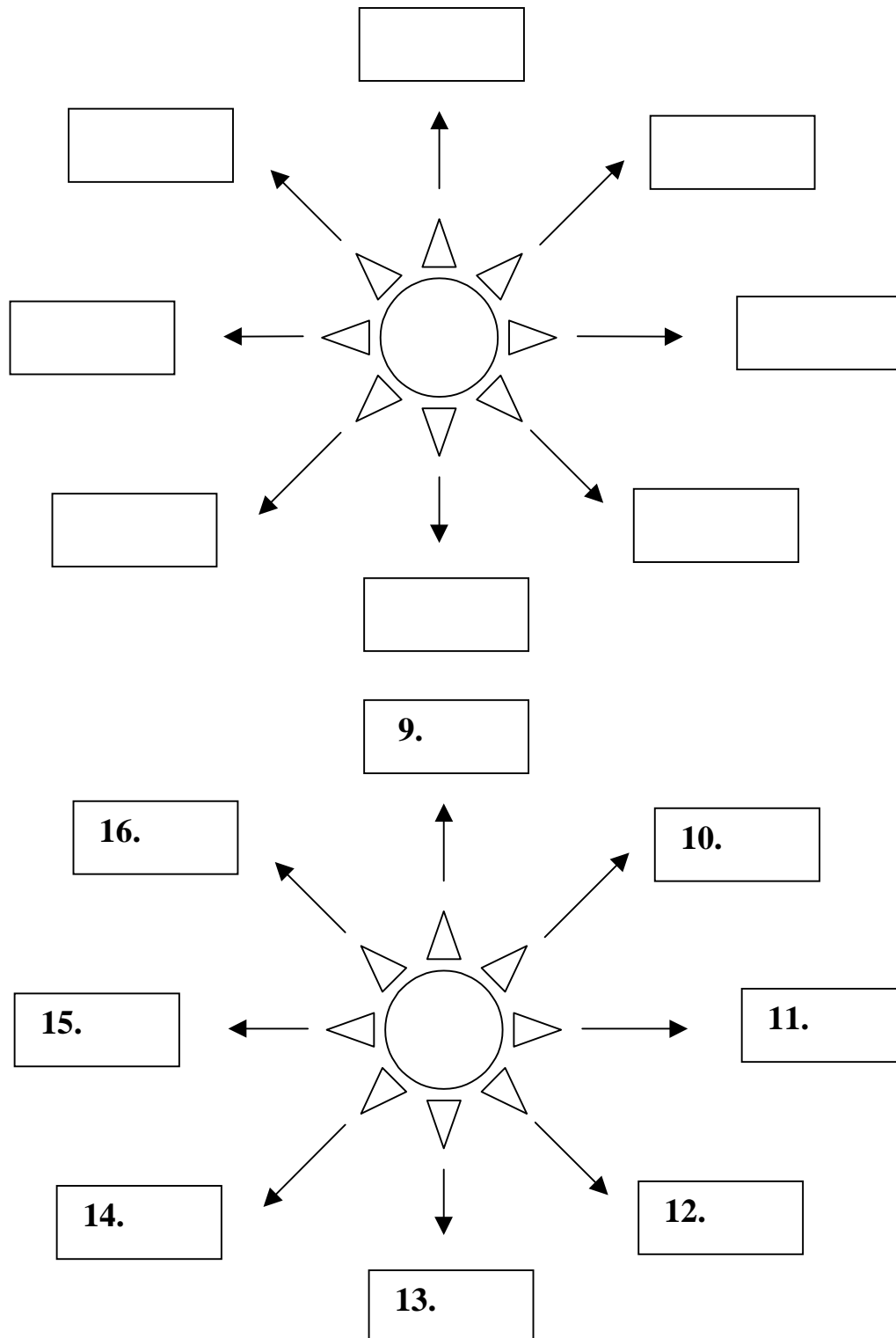
Page 9

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 8. 4.1 9. 2.9 10. 0.6

Page 10

1. 4.6 2. 0.5 3. 2.4 4. 3.7 5. 1.3 6. 8.1 7. 5.6
 8. 10.0 9. 9.9 10. 6.8

Use this to make your own addition/subtraction problems - on paper or the OHP, or use as answer sheets.



Use this to make your own mental addition/subtraction sums, on paper or the OHP, or use as answer sheets.

