Year 6 Arithmetic Quiz 5

Add and subtract decimal numbers.

1 5.4 + 0.8 =

2 8.1 + 0.4 =

3 8.2 - 0.1 =

visit twinkl.com

4 3.7 - 0.9 =

5 2.6 + 0.02 =

6 2.8 + 0.06 =

visit twinkl.com

7 1.6 - 0.09 =

8 4.2 - 0.04 =

9 4.5 + 6.36 =

visit twinkl.com

10 1.6 + 2.87 =

11 8.6 - 4.88 =

12 9.1 - 3.54 =

visit twinkl.com

Multiply and divide by 10, 100 and 1000, including decimals.

13 4.901 × 10 =

14 45.682 × 10 =

15 5.26 × 100 =

visit twinkl.com

16 6.02 × 100 =

17 2.62 × 1000 =

18 0.329 × 1000 =

visit twinkl.com

19 2.71 ÷ 10 =

20 18.03 ÷ 10 =

21 473 ÷ 100 =

visit twinkl.com

22 51.9 ÷ 100 =

23 214 ÷ 1000 =

24 1292 ÷ 1000 =

visit twinkl.com

Percentages of amounts.

25 25% of 246 =

26 50% of 132 =

27 5% of 340 =

visit twinkl.com

28 10% of 450 =

29 25% of 541 =

30 20% of 568

visit twinkl.com

31 7% × 662 =

32 14% × 275 =

33 60% × 863 =

visit twinkl.com

34 35% × 277 =

35 15% × 619 =

36 80% × 338

visit twinkl.com

Year 6 Arithmetic Quiz 5: Answers

1. 6.2

2. 8.5

3. 8.1

4. 2.8

5. 2.62

6. 2.86

7. 1.51

8. 4.16

9. 10.86

10. 4.47

11. 3.72

12. 5.56

13. 49.01

14. 456.82

15. 526

16. 602

17. 2620

18. 329

19. 0.271

20. 1.803

21. 4.73

22. 0.519

23. 0.214

24. 1.292

25. 61.5

26. 66

27. 17

28. 45

29. 135.25

30. 113.6

31. 46.34

32. 38.5

33. 517.8

34. 96.95

35. 92.85

36. 270.4

visit twinkl.com

Year 6 Arithmetic Quiz 5

Add and Subtract Decimal Numbers

Some addition and subtraction will be done mentally, some using a formal columnar method. When the columnar method is used, the numbers must be lined up correctly.

4.7 + 0.6 = 5.3

1.7 + 0.08 = 1.78

7.2 + 1.94

Line up the two numbers using the columnar method and add.

		7	. 2		
	+	1	. 9	4	
		9	. 1	4	
		1			

Multiply and divide by 10, 100 and 1000, including decimals

When multiplying by 10, 100 and 1000 the number increases and the digits move to a new place value 1, 2 or 3 places accordingly.

When dividing by 10, 100 and 1000 the number decreases and the digits move to a new place value 1, 2 or 3 places accordingly.

3.4 × 10 = 34

3.56 × 100 = 356

0.984 × 1000 = 984

67 ÷ 10 = 6.7

35.8 ÷ 100 = 0.358

452 ÷ 1000 = 0.452

Percentages of amounts

A percentage is a part out of 100. So 50% is 50 parts of an amount out of 100 parts. 50% is equivalent to one half.

25% is 25 parts of an amount out of 100 parts. 25% is equivalent to one quarter.

10% is 10 parts out of 100, which is equivalent to 1 part out of 10.

10% of 80 = 8

20% of 80 = 16 (because 20% is twice 10%)

25% of 80 = 20 (because 25% is one quarter)

5% of 80 = 4 (because 5% is half 10%)

35% of 80 = 28 (because 35% is 25% + 10% or 10% × 3 + 5%)