

Mathematics Workbook

AGE
9–11

10-Minute Maths Tests

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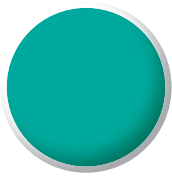
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Answers to all the questions in this book can be found in the pull-out section in the middle.



Calculations test 1

Final score

20 %

Calculators must not be used in this test.

- 1 Write down the
- (a) sum of 9 and 17 _____
- (b) difference between 18 and 33

- (c) product of 8 and 9 _____
- (d) remainder when 20 is divided by 3

- 2 Complete the multiplication square.

×	4	7	6	8
9				
3				
5				
7				

- 3 Write the other three addition and subtraction facts using the same numbers.
- 48 – 23 = 25
- _____ – _____ = _____
- _____ + _____ = _____
- _____ + _____ = _____
- 4 Write the other three multiplication and division facts using the same numbers.
- 30 ÷ 3 = 10
- _____ ÷ _____ = _____
- _____ × _____ = _____
- _____ × _____ = _____
- 5 Calculate:
- (a) $3 + 5 \times 8 =$ _____
- (b) $4 \times 7 - (3 + 2) =$ _____

Calculate in your head, with no written working.

- 6 (a) What is the sum of the first five prime numbers?

- (b) Subtract 499 from 7000 _____
- 7 (a) How many chocolate bars priced at 45p could you buy with a £5 note?

- (b) Find the total cost of 6 books priced at £5.99 each.
£ _____
- 8 Given that $37 \times 44 = 1628$, complete the following:
- (a) $37 \times 440 =$ _____
- (b) $37 \times 22 =$ _____
- (c) $1628 \div 44 =$ _____

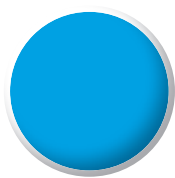
Set out your working clearly.

- 9 (a) Add: $450 + 87$

- (b) Add: $35.7 + 69.3$

- 10 (a) Subtract: $450 - 87$

- (b) Subtract: $35.7 - 9.34$



Calculations test 2

Final score

20 %

Calculators must not be used in this test.

1 (a) Multiply: 435×7

(b) Multiply: 8.09×6

2 Multiply: 308×19

3 Multiply: 6.45×1.3

4 (a) Divide: $994 \div 7$

(b) Divide: $9.75 \div 3$

5 (a) Divide, leaving a remainder: $100 \div 6$

(b) Divide, giving your answer to 2 decimal places: $3 \div 7$

6 (a) Divide, using factors: $560 \div 14$

(b) Divide, giving an exact answer: $5 \div 8$

7 (a) Jo calculated the total cost of her shopping and her calculator display showed the result 40.8

What was the cost of Jo's shopping?

£ _____

(b) Tom calculated the number of bottles he could fill from a large container of juice and his calculator showed the result 17.8

How many bottles would he be able to fill completely?

8 A calculator shows the result 3.5

What would this mean in:

(a) hours and minutes

_____ hours _____ minutes

(b) feet and inches?

_____ feet _____ inches

9 Complete these statements using **even** or **odd**:

(a) An odd number times an _____ number gives an odd number.

(b) An even number minus an odd number gives an _____ number.

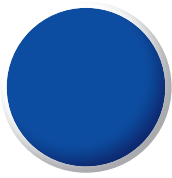
10 (a) When Freya added 349 to 47 her calculator showed this result:

396

Is this correct? _____

(b) When John multiplied 1.5 by 1.2 his calculator showed the result 1.8

Is this correct? _____



Calculations test 3

Final score

20 %

Calculators must not be used in this test.

- 1 Write down the
- (a) sum of 17 and 35 _____
 - (b) difference between 23 and 7 _____
 - (c) product of 6 and 7 _____
 - (d) remainder when 30 is divided by 4 _____

2 Complete the multiplication square.

×	5	8	7	9
8				
4				
6				
9				

3 Write the other three addition and subtraction facts using the same numbers.

35 – 18 = 17

_____ – _____ = _____

_____ + _____ = _____

_____ + _____ = _____

4 Write the other three multiplication and division facts using the same numbers.

56 ÷ 8 = 7

_____ ÷ _____ = _____

_____ × _____ = _____

_____ × _____ = _____

- 5 Calculate:
- (a) $6 + 3 \times 7 =$ _____
 - (b) $5 \times 9 - (7 + 8) =$ _____

Calculate in your head, with no written working.

- 6 (a) What is the sum of the numbers from 10 to 14 inclusive?

- (b) Subtract 37 from 400 _____
- 7 (a) How many packets of crisps priced at 48p could you buy with a £10 note?

- (b) Find the total cost of 6 magazines priced at £2.99 each.

- 8 Given that $22 \times 56 = 1232$, complete the following:
- (a) $11 \times 56 =$ _____
 - (b) $22 \times 28 =$ _____
 - (c) $1232 \div 44 =$ _____

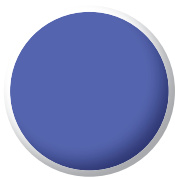
Set out your working clearly.

- 9 (a) Add: $375 + 26$

- (b) Add: $73.9 + 29.3$

- 10 (a) Subtract: $132 - 43$

- (b) Subtract: $29.4 - 12.5$



Calculations test 4

Final score

20 %

Calculators must not be used in this test.

1 (a) Multiply: 565×9

(b) Multiply: 3.45×5

2 Multiply: 416×17

3 Multiply: 7.95×2.1

4 (a) Divide: $152 \div 8$

(b) Divide: $11.7 \div 5$

5 (a) Divide, leaving a remainder: $60 \div 7$

(b) Divide, giving your answer to 2 decimal places: $4 \div 9$

6 (a) Divide, using factors: $312 \div 24$

(b) Divide, giving an exact answer: $70 \div 8$

7 (a) Maxine calculated the total cost of her shopping and her calculator display showed the result 56.4

What was the cost of Maxine's shopping?

£

(b) Tyger calculated the number of glasses he could fill from a jug of juice and his calculator showed the result 6.7

How many glasses would he be able to fill completely?

8 A calculator shows the result 2.6

What would this mean in:

(a) hours and minutes

hours minutes

(b) kilograms and grams?

kg g

9 Complete these statements using **even** or **odd**:

(a) An even number plus an number gives an odd number.

(b) An odd number times an odd number gives an number.

10 (a) When Tamera subtracted 499 from 800 her calculator showed this result:

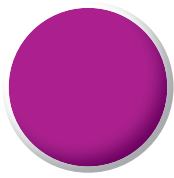
311

Is this correct?

(b) When Julian divided 4200 by 7 his calculator showed this result:

60

Is this correct?



Calculations test 5

Final score

20 %

Calculators must not be used in this test.

- 1 Write down the
 - (a) sum of 14 and 29 _____
 - (b) difference between 53 and 27

 - (c) product of 8 and 11 _____
 - (d) remainder when 40 is divided by 6

- 2 Complete the multiplication square.

×	9	5	4	7
8				
6				
7				
3				

- 3 Write the other three addition and subtraction facts using the same numbers.

$$31 - 19 = 12$$

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

- 4 Write the other three multiplication and division facts using the same numbers.

$$63 \div 9 = 7$$

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

- 5 Calculate:

$$(a) 9 + 6 \times 7 = \underline{\hspace{2cm}}$$

$$(b) 3 \times 8 - (8 + 3) = \underline{\hspace{2cm}}$$

Calculate in your head, with no written working.

- 6 (a) What is the sum of the first five odd numbers?

- (b) Subtract 108 from 2000 _____
- 7 (a) James has £6.00
How many chocolate bars priced at 59p can he buy?

- (b) Find the total cost of 5 DVDs priced at £7.99 each.

- 8 Given that $48 \times 25 = 1200$, complete the following:

$$(a) 48 \times 50 = \underline{\hspace{2cm}}$$

$$(b) 24 \times 25 = \underline{\hspace{2cm}}$$

$$(c) 600 \div 25 = \underline{\hspace{2cm}}$$

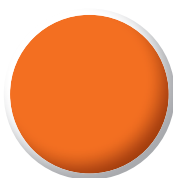
Set out your working clearly.

- 9 (a) Add: $359 + 143$

- (b) Add: $28.9 + 7.85$

- 10 (a) Subtract: $193 - 44$

- (b) Subtract: $45.2 - 8.45$



Calculations test 6

Final score

20 %

Calculators must not be used in this test.

1 (a) Multiply: 281×9

(b) Multiply: 66.6×6

2 Multiply: 438×23

3 Multiply: 75.2×2.5

4 (a) Divide: $1305 \div 9$

(b) Divide: $65.5 \div 5$

5 (a) Divide, leaving a remainder: $70 \div 8$

(b) Divide, giving your answer to 2 decimal places: $5 \div 7$

6 (a) Divide, using factors: $435 \div 15$

(b) Divide, giving an exact answer: $33 \div 6$

7 (a) Tanya calculated the total cost of decorating her bedroom and her calculator display showed the result 110.5

What was the cost? £ _____

(b) William calculated the number of tins of paint he would need to paint a fence. His calculator showed the result 5.4

How many tins should he buy?

8 A calculator shows the result 6.25

What would this mean in:

(a) hours and minutes

_____ hours _____ minutes

(b) feet and inches?

_____ feet _____ inches

9 Complete these statements using **even** or **odd**:

(a) An odd number times an _____ number gives an even number.

(b) An even number minus an even number gives an _____ number.

10 (a) When Sandy added 39.5 to 2.5 his calculator showed this result:

 42

Is this correct? _____

(b) When Alex multiplied 14 by 3.2 his calculator showed the incorrect result 448

What mistake did Alex make? _____