7+ maths practice paper 1

Name _____

Date _____

20 questions · 30 marks · 30 minutes

- Read each question carefully.
- Write your answer in the box.
- You may use the space on the page for working out.
- If a question is too hard, leave it and come back at the end.

This is a practice paper written by 7+ Maths. It is not any school's paper: each school sets its own.

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Section A: Quick sums (6 marks)

1. $8 + 7 =$ ☐ (1 mark)

2. ☐ $+ 4 = 10$ (1 mark)

3. $46 + 8 =$ ☐ (1 mark)

4. $73 - 5 =$ ☐ (1 mark)

5. $5 \times 4 =$ ☐ (1 mark)

6. $18 \div 2 =$ ☐ (1 mark)

Section B: Numbers (6 marks)

7. What number is 10 more than 67? ☐ (1 mark)

8. Fill in the two missing numbers.

   3, 6, 9, ☐, 15, ☐ (2 marks)

9. Write these numbers in order. Start with the smallest.

   58, 85, 49, 94

   ☐ ☐ ☐ ☐ (1 mark)

10. **(a)** What number has 4 tens and 7 ones? ☐ (1 mark)

    (b) Write sixty-three in digits. ☐ (1 mark)

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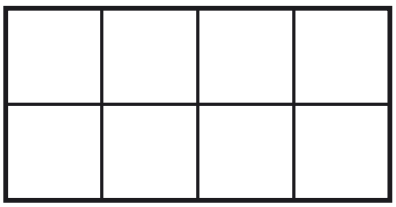
Section C: Fractions, money, time, measures, shape and charts (10 marks)

11. **(a)** Shade one quarter of this shape. (1 mark)



(b) What is half of 18? ☐ (1 mark)

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12. Maya has these coins.

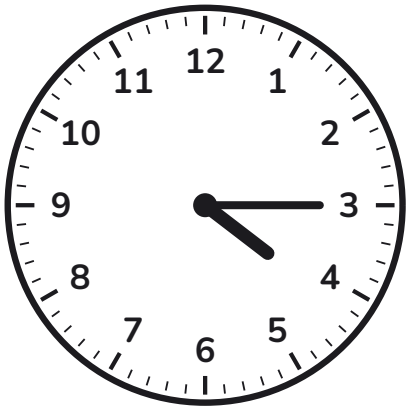


(a) How much money does Maya have? ☐ p (1 mark)

(b) Maya buys a pencil for 35p. She pays with the 50p coin. How much change does she get?

☐ p (1 mark)

13.



(a) What time does the clock show?

☐ (1 mark)

(b) A film starts at 3 o'clock. It lasts for 2 hours. What time does it end?

☐ (1 mark)

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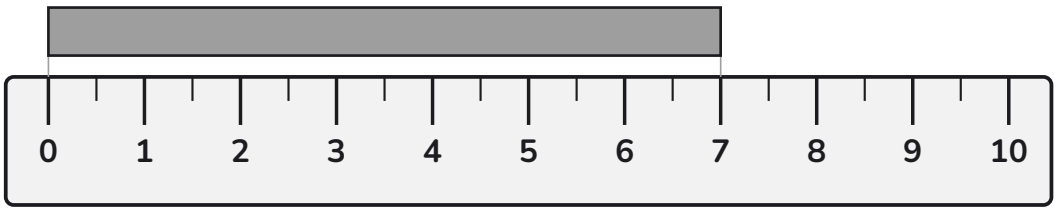
14. How long is the ribbon?



cm (1 mark)

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15. One of these shapes has 5 sides. Put a ring round it. (1 mark)



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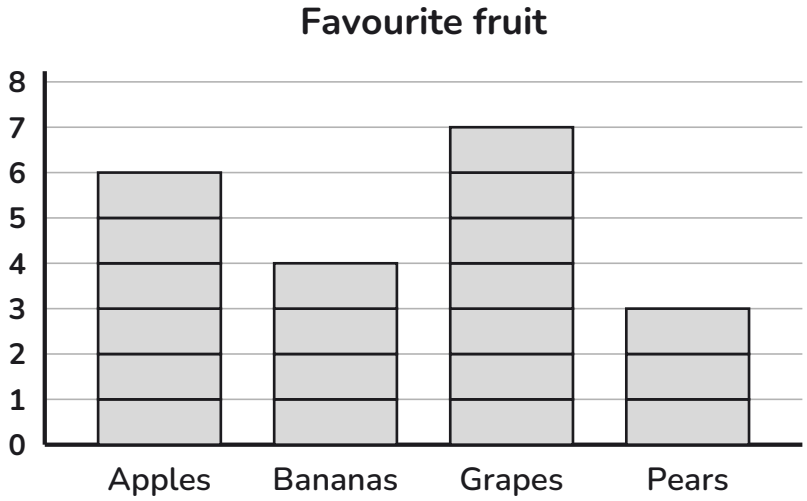
16. Some children chose their favourite fruit. The chart shows what they chose.



(a) How many children chose grapes? (1 mark)

(b) How many more children chose apples than pears? (1 mark)

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Section D: Problems (8 marks)

17. Sami has 12 stickers. He gets 8 more. Then he gives 5 to his sister. How many stickers does Sami have now?

(2 marks)

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18. Pencils come in packs of 5. Mrs Khan buys 6 packs.

(a) How many pencils does she buy?

(1 mark)

(b) She shares the pencils equally between 3 tables. How many pencils does each table get?

(1 mark)

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19. An apple costs 30p. A banana costs 25p. Leo buys one apple and one banana. He pays with a £1 coin. How much change does he get?

☐ p (2 marks)

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20. I am thinking of a number. It is between 20 and 30. It is an odd number. Its two digits add up to 9. What is my number?

☐ (2 marks)

End of the paper. Go back and check your answers.

Total: _____ out of 30

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For the grown-up: how to use this paper

Before you start

- Choose a quiet 30 minutes when your child is fresh. Morning is better than after school.
- Your child needs a sharp pencil and a rubber. No calculator and no ruler are needed.
- Read the four instructions on the cover together.

During the paper

- Set a timer for 30 minutes and put it where your child can see it.
- You may read a question aloud if your child asks. Do not explain it or say whether an answer is right.
- If your child is stuck, say: “Leave it for now and come back at the end.”
- If 30 minutes is up and your child wants to go on, draw a line under the last answer and let them finish. Mark both parts, so you can see what they can do with more time.

Afterwards

- Mark it with the mark scheme, together if your child likes that. Start with what went well.
- There is no pass mark. Each school sets its own paper and its own standard, and this paper is not any school’s.
- Look at which kinds of question were quick and sure, which were slow, and which went wrong. The last column of the mark scheme names the topic for each question, so you know what to practise next.
- Go over two or three of the wrong answers with objects or a drawing. Leave the rest for another day.
- Wait at least two weeks before trying another paper. Short daily practice does more than frequent papers.

More practice on every topic in this paper: 7+ Maths for Android phones and tablets. Six activities are free. A one-off purchase opens all 57.

ukschoolprep.com/practice-papers/7-plus-maths-practice-paper-1/

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Mark scheme

Q	Answer	Marks	How to mark	What it tests
Section A: Quick sums (6 marks)				
1	**15**	1		Addition and subtraction within 20
2	**6**	1		Number bonds
3	**54**	1		Addition and subtraction within 100
4	**68**	1		Addition and subtraction within 100
5	**20**	1		Multiplication and division
6	**9**	1		Multiplication and division
Section B: Numbers (6 marks)				
7	**77**	1		Counting and the number grid to 100
8	**12 and 18**	2 (one each)		Counting and the number grid to 100
9	**49, 58, 85, 94**	1 (all four in order)		Place value
10	**(a) 47** **(b) 63**	2 (one each)		Place value
Section C: Fractions, money, time, measures, shape and charts (10 marks)				
11	**(a) any 2 of the 8 squares shaded** **(b) 9**	2 (one each)		Fractions
12	**(a) 87p** **(b) 15p**	2 (one each)		Money
13	**(a) quarter past 4 (accept 4:15 or “15 minutes past 4”)** **(b) 5 o’clock (accept 5:00)**	2 (one each)		Time
14	**7 cm**	1		Measures
15	**the pentagon (the third shape)**	1		Shape
16	**(a) 7** **(b) 3**	2 (one each)		Statistics

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Q	Answer	Marks	How to mark	What it tests
Section D: Problems (8 marks)				
17	**15**	2	2 for 15. If the answer is wrong, 1 for 20 seen in the working	Word problems and reasoning
18	**(a) 30** **(b) 10**	2	1 each. For (b), give the mark for a correct share of the child's own answer to (a) if it divides by 3	Multiplication and division
19	**45p**	2	2 for 45p. If the answer is wrong, 1 for 55p seen in the working	Money
20	**27**	2	2 for 27. If the answer is wrong, 1 for any odd number between 20 and 30	Word problems and reasoning
Total: 30 marks, 20 questions				

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