



7+ SEPTEMBER BASELINE ASSESSMENT - FRIDAY FREEBIE BY SUCCESS INDEX

This is designed as a starting point – it is NOT a mock exam.

The aim is to gain a fuller understanding of where your child currently sits and, as a parent, to understand the style and range of maths which will be developed.

DO NOT PANIC if the score is low – this is the start of the journey. Keep this assessment for reference. You may help your child read it, BUT keep a record of how often you have to do this.

Date: _____

Time: 30 minutes – do not extend

Score: _____ / 40

Instructions

- Try every question.
- Work carefully rather than rushing.
- Show your working where you can.
- Do not use a calculator.
- If you are unsure, have a sensible guess and move on. Mark questions you guessed on with a “?”
- The assessment is designed to show what you already know – but more importantly what you do not yet know. Some questions will be challenging.



NUMBER & PLACE VALUE

1. Count the stars. How many are there? [1]



Answer: _____

2. What number comes after 39? [1]

Answer: _____

3. What number comes before 70? [1]

Answer: _____

4. Write the number in words: 56 [1]

Answer: _____



5. Write the number: 4 tens and 7 ones. [1]

Answer: _____

6. Put these numbers in order from smallest to largest: 24, 42, 19, 35 [1]

Answer: _____

7. What is 10 more than 63? [1]

Answer: _____

8. What is 10 less than 91? [1]

Answer: _____

9. What number is missing? 5, 10, 15, ____, 25 [1]

Answer: _____



CALCULATION, FRACTIONS & MONEY

10. Count the apples. How many apples are there? [1]



Answer: _____

11. $7 + 8 =$ [1]

Answer: _____

12. $16 - 9 =$ [1]

Answer: _____

13. $4 \times 5 =$ [1]

Answer: _____



14. $20 \div 4 =$ [1]

Answer: _____

15. What is half of 18? [1]

Answer: _____

16. What is one quarter of 12? [1]

Answer: _____

17. Which is greater: $\frac{1}{2}$ or $\frac{1}{4}$? [1]

Answer: _____

18. Mia has 50p. She spends 20p. How much does she have left? [1]

Answer: _____

19. Tom has 3 coins: 20p, 10p and 5p. How much money does he have altogether? [1]

Answer: _____



MEASURE, SHAPE & GEOMETRY

20. How many centimetres are in 1 metre? [1]

Answer: _____

21. Which is longer: 1 metre or 50 centimetres? [1]

Answer: _____

22. A pencil is 12 cm long. Another pencil is 5 cm long. How much longer is the first pencil?
[1]

Answer: _____

23. What time is it when the minute hand is on 6 and the hour hand is between 3 and 4? [1]

Answer: _____

24. How many sides does a triangle have? [1]

Answer: _____



25. How many sides does a rectangle have? [1]

Answer: _____

26. Name this shape: it has 4 equal sides. [1]

Answer: _____

27. How many corners does a cube have? [1]

Answer: _____

28. Which angle is a right angle? Circle one: 45° 90° 120° [1]

Answer: _____

29. A square has sides of 5 cm. What is its perimeter? [1]

Answer: _____



PROBLEM SOLVING & MATHEMATICAL REASONING (10 marks)

30. There are 15 children on a bus. 6 children get off. How many children are left? [1]

Answer: _____

31. A farmer has 4 chickens. Each chicken has 2 legs. How many chicken legs are there altogether? [1]

Answer: _____

32. Ella has 12 sweets. She shares them equally between 3 children. How many sweets does each child get? [1]

Answer: _____



33. A toy costs £6. Ben has £10. How much change will he get? [1]

Answer: _____

34. Look at the pattern: 2, 4, 8, 10, 14, 16, _____. What number comes next? [1]

Answer: _____

35. Sam has 3 red balls and 5 blue balls. How many balls does he have altogether? [1]

Answer: _____

36. A box holds 10 pencils. There are 3 boxes. How many pencils are there? [1]

Answer: _____



37. A cake is cut into 8 equal pieces. Lily eats 2 pieces. What fraction of the cake did she eat? [1]

Answer: _____

38. I am thinking of a number. It is greater than 20 and less than 30. It is even and a multiple of 4. What could it be? [1]

Answer: _____

39. There are 24 children. Half are girls. How many boys are there? [1]

Answer: _____

40. A number is greater than 40, less than 50 and has 6 ones. What is the number? Explain how you know. [1]

Answer: _____



MATHS ASSESSMENT 7+ ANSWERS

Section 1 — Number & Place Value

1. 12
2. 40
3. 69
4. Fifty-six
5. 47
6. 19, 24, 35, 42
7. 73
8. 81
9. 20

Section 2 — Calculation, Fractions & Money

10. 8
11. 15
12. 7
13. 20
14. 5
15. 9
16. 3
17. $\frac{1}{2}$
18. 30p
19. 35p



Section 3 — Measure, Shape & Geometry

20. 100 cm

21. 1 metre

22. 7 cm

23. 3:30

24. 3

25. 4

26. Square

27. 8

28. 90°

29. 20 cm

Section 4 — Problem Solving & Reasoning

30. 9

31. 8

32. 4

33. £4

34. 20

35. 8

36. 30

37. $\frac{2}{8}$ (or $\frac{1}{4}$)

38. 24 or 28

39. 12

40. 46



7+ MATHS ASSESSMENT: DIAGNOSTIC PROFILE

This is the most important part: the assessment starts to build a picture of your child's learning. The individual mistakes are more useful than the total score.

Area	Score	Percentage	Initial Assessment
Number & Place Value	/10	%	
Calculation, Fractions & Money	/10	%	
Measure, Shape & Geometry	/10	%	
Problem Solving & Reasoning	/10	%	
TOTAL	/40	%	

Remember: this is only a snapshot!

9–10 / 10 — Secure

Your child is confident in this area. Begin extending the skill with more challenging questions and unfamiliar formats.

7–8 / 10 — Developing

The core skills are reasonably secure, but there are gaps to address before moving too quickly into harder 11+ material.



5–6 / 10 — Needs Consolidation

There are noticeable gaps. This area should form part of the child's initial study programme.

0–4 / 10 — Priority Area

The child needs focused teaching and consolidation of the underlying skills before extensive 11+ practice.

OBSERVATION NOTES

DO NOT underestimate exam technique, confidence and the ability to understand a question. These are equally important to mathematical skills.

Speed: ☐ Very fast ☐ Good ☐ Average ☐ Slow ☐ Very slow

Accuracy: ☐ Excellent ☐ Good ☐ Some careless errors ☐ Frequent errors

Working: ☐ Clear ☐ Mostly clear ☐ Difficult to follow ☐ Little/no working

Mental maths: ☐ Strong ☐ Secure ☐ Developing ☐ Weak

Reading/understanding questions: ☐ Strong ☐ Secure ☐ Developing ☐ Weak

Reasoning: ☐ Strong ☐ Secure ☐ Developing ☐ Weak

Confidence: ☐ Very confident ☐ Confident ☐ Mixed ☐ Anxious/hesitant

Make a note of how often you had to help your child read the questions - reading is key. If they can not read the questions, they can not access them, therefore they can not get the points!



NOW MAKE 3 PRIORITY AREAS FOR STUDY

Choose short, realistic targets which can be achieved in the next 4 weeks.

1. _____
2. _____
3. _____

IMPORTANT: WHAT TO LOOK FOR

The overall score is useful, but the individual mistakes are more important than the total.

Number & Place Value

- Counting forwards and backwards
- Reading and writing numbers
- Place value
- Ordering numbers
- Number patterns

Calculation & Fractions

- Addition and subtraction
- Multiplication and division facts
- Halves and quarters
- Mental arithmetic
- Money calculations



Measure & Geometry

- Time
- Length and unit conversion
- Properties of shapes
- Angles
- Perimeter

Problem Solving & Reasoning

- Reading accuracy
- Choosing the correct operation
- Multi-step thinking
- Patterns
- Applying maths to unfamiliar situations
- Explaining reasoning