

SEAG Style Maths Practice Paper 1

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Questions 24	Time allowed 24 minutes	Suitable for P6 and P7	Answers On the last page
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Work through the paper without a calculator. Give your child one minute per question, which is the pace the real assessment expects. If a question is tricky, move on and come back to it at the end. Mistakes are useful, they show you exactly what to practise next.

1. If $3x + 1 = 16$, what is x ?

A 5 B 6 C 15 D 17

2. If x minus 4 = 10, what is x ?

A 14 B 6 C 40 D 16

3. What is the next number: 2, 5, 8, 11, ___?

A 12 B 13 C 14 D 15

4. If x multiplied by 6 = 54, what is x ?

A 9 B 8 C 48 D 60

5. Three pens cost 1 pound 20 each. How much do they cost altogether?

A 3 pounds 60 B 3 pounds 20 C 4 pounds 20 D 2 pounds 40

6. What is 234 multiplied by 6?

A 1,404 B 1,304 C 1,414 D 1,244

7. Estimate $612 + 389$ by rounding each number to the nearest 100.

A 1,000 B 900 C 1,100 D 1,010

8. What is 7 multiplied by 8?

A 54 B 56 C 63 D 48

9. When you flip a fair coin, getting heads is best described as:

A An even chance B Certain C Impossible D Unlikely

10. What is the median of 8, 4, 6 and 2?

A 4 B 5 C 6 D 7

11. What is the median of 2, 8, 5, 1, 9 and 6?

A 5.5 B 5 C 6 D 7

12. What is the mean of 4, 6 and 8?

A 4 B 5 C 6 D 8

13. Simplify $\frac{6}{8}$ to its lowest terms.

A $\frac{1}{2}$ B $\frac{2}{3}$ C $\frac{3}{4}$ D $\frac{5}{8}$

14. What is $\frac{2}{3}$ of 90?

A 60 B 45 C 30 D 50

15. What is $\frac{1}{4}$ of 32?

A 6 B 8 C 12 D 16

16. What is $\frac{3}{10}$ written as a decimal?

A 0.03 B 0.3 C 3.1 D 0.13

17. What is the name of a flat shape with five sides?

A Pentagon B Hexagon C Octagon D Heptagon

18. How many degrees are there in a right angle?

A 45 B 60 C 90 D 180

19. What is the area of a rectangle 5 cm by 4 cm?

A 9 sq cm B 18 sq cm C 20 sq cm D 40 sq cm

20. How many lines of symmetry does a square have?

A 4 B 2 C 1 D 0

21. What is 12% of 50?

A 5 B 6 C 7 D 8

22. What is 10% of 350?

A 3.5 B 35 C 45 D 350

23. Share 45 pounds in the ratio 2:3. What is the larger share?

A 18 pounds B 24 pounds C 27 pounds D 30 pounds

24. Which fraction is the same as 50%?

A $\frac{1}{2}$ B $\frac{1}{4}$ C $\frac{1}{5}$ D $\frac{2}{5}$

Answers and explanations

Mark together and read the explanation for anything your child got wrong. Understanding the why matters far more than the score.

Q	Answer	Why
1	A 5	16 minus 1 is 15, then 15 divided by 3 is 5.
2	A 14	10 plus 4 is 14.
3	C 14	The pattern adds 3 each time, so 11 plus 3 is 14.
4	A 9	54 divided by 6 is 9.
5	A 3 pounds 60	3 lots of 1 pound 20 is 3 pounds 60.
6	A 1,404	234 times 6 is 1,404.
7	A 1,000	612 rounds to 600 and 389 rounds to 400, giving 1,000.
8	B 56	7 times 8 is 56.
9	A An even chance	There are two equally likely outcomes, so heads has an even chance.
10	B 5	In order: 2, 4, 6, 8. The middle two are 4 and 6, so the median is 5.
11	A 5.5	In order: 1, 2, 5, 6, 8, 9. The middle two are 5 and 6, so the median is 5.5.
12	C 6	4 plus 6 plus 8 is 18, and 18 divided by 3 is 6.
13	C $\frac{3}{4}$	Divide the top and bottom by 2 to get $\frac{3}{4}$.
14	A 60	90 divided by 3 is 30, and 30 times 2 is 60.
15	B 8	32 divided by 4 is 8.
16	B 0.3	3 tenths is written as 0.3.
17	A Pentagon	A five sided shape is a pentagon.
18	C 90	A right angle is 90 degrees.
19	C 20 sq cm	Area is length times width, so 5 times 4 is 20 sq cm.
20	A 4	A square has four lines of symmetry.
21	B 6	12% of 50 is 0.12 times 50, which is 6.
22	B 35	10% means dividing by 10, so 10% of 350 is 35.
23	C 27 pounds	5 parts make 45, so 1 part is 9 and 3 parts is 27 pounds.
24	A $\frac{1}{2}$	50% is 50 out of 100, which simplifies to $\frac{1}{2}$.

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