



11+ PRACTICE PACK

(Maths)

AcumenTeach — 11+ Starter Pack

**Suitable for GL, Independent Schools, and
Grammar School Preparation**

Topics covered: Fractions, Decimals, Percentages, Ratio, Word Problems, Algebra, Area, Perimeter, Number Operations.

1. What is $\frac{3}{4}$ of 28?

2. Increase 45 by 20%.

3. Simplify: $3x+4x-2$.

4. A rectangle has length 12 cm and width 7 cm. What is the perimeter?

5. Write 0.375 as a fraction in simplest form.

6. Find the mean of: 8, 12, 14, 6.

7. A bag has red and blue counters in the ratio 3:5. If there are 15 red counters, how many blue?

8. What is 15% of 240?

9. A number is multiplied by 6 then increased by 12. Write an expression for this.

10. Convert 2.6 km into metres.

11. A square has area 49 cm^2 . What is its perimeter?

12. Solve: $5y = 45$.

13. Round 6.478 to 2 decimal places.

14. A child reads 45 pages on Monday and 38 on Tuesday. She has 150 pages total. How many left?

15. Find the difference between 3.9 and 0.48.

16. A shop reduces a £80 jacket by 25%. What is the new price?

17. What is the next number in the sequence: 4, 9, 14, 19, ...

18. Write $\frac{5}{6}$ as a decimal.

19. A recipe uses 240g flour for 6 muffins. How much flour for 15 muffins?

20. A train leaves at 09:45 and arrives at 12:20. How long is the journey?

ANSWERS

Question Numbers	Answers	Question Numbers	Answers
1	21	11	28 cm
2	54	12	9
3	$7x-2$	13	6.48
4	38 cm	14	67 pages
5	$\frac{3}{8}$	15	3.42
6	10	16	£60
7	25	17	24
8	36	18	0.833...
9	$6n+12$	19	600g
10	2600 m	20	2 hours 35 minutes