ASPIRE TO POWER LEARNING

Inspire. Learn. Achieve.

YEAR 5

Fractions Foundations

Small steps. Stronger number sense.

A LITTLE PRACTICE. A LOT MORE CLARITY.

- Clear explanations and worked examples
- Guided practice, then independent questions
- Problem solving and complete answer keys



3/4

6/8

20 pages / 80 questions / Worked answers

STARTER PACK | A4 PRINTABLE PDF | AUSTRALIAN ENGLISH

Focused topic practice - suggested year level is a guide, not a full course.

01 Understand the parts

LEARN & TRY

Example: A strip has 8 equal sections and 3 are shaded. The shaded fraction is 3/8. The other 5/8 is unshaded. All 8/8 make one whole.

01 A shape is divided into 8 equal parts. 3 parts are shaded. What fraction is shaded?

02 A shape is divided into 12 equal parts. 5 parts are shaded. What fraction is shaded?

03 A shape is divided into 10 equal parts. 7 parts are shaded. What fraction is shaded?

04 Write the numerator and denominator of 2/7.

05 Write the numerator and denominator of 4/9.

06 Write the numerator and denominator of 1/6.

01 Understand the parts

PRACTISE & EXPLAIN

Equal-sized parts matter. Counting unequal pieces does not give a fraction of the whole.

07 3 of 5 equal parts are shaded. What fraction is NOT shaded?

08 5 of 8 equal parts are shaded. What fraction is NOT shaded?

09 7 of 12 equal parts are shaded. What fraction is NOT shaded?

10 One whole is split into 9 equal pieces. How many ninths make the whole?

11 Four friends share one pizza equally. What fraction does each friend receive?

12 A bar has 10 equal sections. Six are shaded. Write the shaded fraction and the unshaded fraction.

Preview answers

Check your reasoning, not only your final answer. Equivalent correct forms are welcome.

01 3/8

The numerator counts shaded parts; the denominator counts all 8 equal parts.

02 5/12

The numerator counts shaded parts; the denominator counts all 12 equal parts.

03 7/10

The numerator counts shaded parts; the denominator counts all 10 equal parts.

04 Numerator 2; denominator 7.

The numerator is above the fraction bar; the denominator is below it.

05 Numerator 4; denominator 9.

The numerator is above the fraction bar; the denominator is below it.

06 Numerator 1; denominator 6.

The numerator is above the fraction bar; the denominator is below it.

07 2/5

5 - 3 = 2 unshaded parts.

08 3/8

8 - 5 = 3 unshaded parts.

09 5/12

12 - 7 = 5 unshaded parts.

10 9 ninths.

9/9 = 1.

11 1/4

There are 4 equal shares.

12 Shaded 6/10; unshaded 4/10.

6 + 4 = 10 sections.