ASPIRE TO POWER LEARNING

Inspire. Learn. Achieve.

YEAR 6

Decimals & Percentages

Make sense of everyday numbers.

A LITTLE PRACTICE. A LOT MORE CLARITY.

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

0.75 = 75% = 3/4



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 Read and round decimals

LEARN & TRY

Example: In 6.482, the 4 is worth 0.4, the 8 is worth 0.08 and the 2 is worth 0.002. Rounded to two decimal places, 6.482 becomes 6.48.

01 In 3.47, what is the place value of the digit 4? What value does it represent?

02 In 8.206, what is the place value of the digit 2? What value does it represent?

03 In 15.083, what is the place value of the digit 8? What value does it represent?

04 Round 4.763 to one decimal place.

05 Round 9.485 to two decimal places.

06 Round 12.996 to two decimal places.

01 Read and round decimals

PRACTISE & EXPLAIN

Zeroes can help compare values: 0.7 = 0.70 = 0.700.

07 Round 0.784 to one decimal place.

08 Round 6.349 to two decimal places.

09 Round 2.95 to one decimal place.

10 Order from smallest to largest: 0.6, 0.56, 0.605, 0.065.

11 Which is greater: 4.09 or 4.9? Explain.

12 Write the decimal with 2 ones, 3 tenths, 0 hundredths and 7 thousandths.

Preview answers

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

01 tenths; 0.4.

Count places to the right of the decimal: tenths, hundredths, thousandths.

02 tenths; 0.2.

Count places to the right of the decimal: tenths, hundredths, thousandths.

03 hundredths; 0.08.

Count places to the right of the decimal: tenths, hundredths, thousandths.

04 4.8

Look at the next digit. If it is 5 or more, round the kept digit up.

05 9.49

Look at the next digit. If it is 5 or more, round the kept digit up.

06 13.00

Look at the next digit. If it is 5 or more, round the kept digit up.

07 0.8

Look at the next digit. If it is 5 or more, round the kept digit up.

08 6.35

Look at the next digit. If it is 5 or more, round the kept digit up.

09 3.0

Look at the next digit. If it is 5 or more, round the kept digit up.

10 0.065, 0.56, 0.6, 0.605.

Write 0.600, 0.560, 0.605 and 0.065 to compare aligned places.

11 4.9

4.9 = 4.90, which is greater than 4.09.

12 2.307

2 + 0.3 + 0.007 = 2.307.