

# Reasoning



11

FRACTION, DECIMAL,  
PERCENTAGE  
EQUIVALENCE

12

MULTI-STEP  
PROBLEM SOLVING

13

MONEY  
PROBLEMS



14

TIME

15

PROPORTION  
+ RATIO

16

INTERPRET  
CHARTS



Prove it



Justify it



Explain it

17

PIE CHARTS

18

PLACE VALUE + ROMAN NUMERALS

19

ROUNDING

20

FACTORS PRIMES, SQUARES

21

FRACTIONS OF SHAPES

22

ANGLES + LINES



Reason it



Show why



Show how



Prove it



Justify it



Explain it

23

MEASUREMENT + UNITS

24

PERIMETER

25

AREA

26

MISSING LENGTHS (FROM DIAGRAMS)

27

WORKING BACKWARDS

28

ALGEBRA + UNKNOWNNS



Reason it



Show why



Show how



Prove it



Justify it



Explain it

29

NEGATIVE NUMBERS

30

SEQUENCES

31

READ SCALES + NUMBER LINES

32

CO-ORDINATES

33

SHAPE NAMES

34

QUADRILATERAL PROPERTIES



Reason It



Show Why



Show How



Prove It



Justify It



Explain It

35

3D SHAPES, VOLUME + NETS

36

SORTING DIAGRAMS

37

REFLECT SHAPES + SYMMETRY

38

TRANSLATE SHAPES

39

ROTATE SHAPES

40

THE MEAN AVERAGE



Reason It



Show Why



Show How



Prove It



Justify It



Explain It

41

LINE  
GRAPHS

42

PICTO-  
GRAMS

43

USE EACH  
NUMBER  
ONCE

44

COINS

45

COMBI-  
NATIONS

46

EXPLAIN BY  
COUNTER-  
EXAMPLE



Reason  
It



show  
why



show  
how



Prove  
It



Justify  
It



Explain  
It

47

> < AND =  
SIGNS

48

COMPARING



Check your answers by  
pressing the Lightbulb  
underneath each  
Booster Pack.  
Try to complete one  
pack a week and  
remember to hit the  
YouTube button if  
you are stuck!



Reason  
It



show  
why