Assessment framework:

		Cognitive domain						
		Knowing (K)		Applying (A)		Reasoning (R)		TOTAL
Content area	Number, operations and relationships (NOR)	1(1), 2(1), 3(1), 4(1), 5a(1), 5b(1), 5c(2), 5f(1)	9	5d(1), 5e(1), 5g(1), 6a(1), 7(1), 8(4), 9(2)	11	6b(1), 10(2)	3	23
	Patterns, functions & algebra (PFA)	11a(1)	1	11b(2), 12(2)	4	11c(1)	1	6
	Space & shape (SS)	13(2), 15(1)	3	14(1), 16(1)	2		.	5
	Measurement (M)	17(1), 18(1), 19(1)	3	20(1), 21(2)	3		.	6
	Data handling (DH)	22a(1)	1	22b(1), 23(1)	2	24(2)	2	5
	TOTAL	17		22		6		45

Memo:

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
1.	$2\frac{2}{8}$ or $2\frac{1}{4}$	1 mrk: correct	NOR	K	(1)

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
2.	B	1 mrk: correct	NOR	K	(1)
3	2,3	1 mrk: correct	NOR	K	(1)
4.	19	1 mrk: correct	NOR	K	(1)
5.a)	5 702	1 mrk: correct	NOR	K	(1)
5.b)	4 800	1 mrk: correct	NOR	K	(1)
5.c)	270	2 mrks: correct	NOR	K	(2)
5.d)	7,8	1 mrk: correct	NOR	A	(1)
5.e)	6,05	1 mrk: correct	NOR	A	(1)
5.f)	$\frac{2}{4}$ or $\frac{1}{2}$	1 mrk: correct	NOR	K	(1)
5.g)	$3\frac{1}{5}$	1 mrk: correct	NOR	A	(1)
6.a)	18	1 mrk: correct	NOR	A	(1)
6.b)	2	1 mrk: correct	NOR	R	(1)
7.	$\frac{3}{5}$	1 mrk: correct	NOR	A	(1)
8.a)	423 Possible working: • $150 + 200 \rightarrow 350 + 70 \rightarrow 420 + 3 \rightarrow 423$ • $150 + 273 = 200 + 223$	2 mrks: correct or 1 mrk: correct working	NOR	A	(2)

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
8.b)	11-eighths or $\frac{11}{8}$ or $1\frac{3}{8}$ *Possible working:* $\frac{3}{4} = \frac{6}{8}; \frac{6}{8} + \frac{5}{8} = \frac{11}{8}$	2 mrks: correct or 1 mrk: correct working	NOR	A	(2)
9.	45 *Possible working:* • $1 + 3 = 4, 10 + 30 = 40, 12 + 36 = 48, 14 + 42 = 56, 15 + 45 = 60$ • $60 \div 4$ parts $= 15, 15 \times 3 = 45$	2 mrks: correct or 1 mrk: correct working	NOR	A	(2)
10.	8 *Possible working*: • 90; 99; 108 … 108– 100 • $9 \times 12 \rightarrow 108 – 100$	2 mrks: correct or 1 mrk: correct working	NOR	R	(2)
11.a)	15	1 mrk: correct	PFA	K	(1)
11.b)	36 *Possible explanation*: $15 + 6 \rightarrow 21 + 7 \rightarrow 28 + 8 \rightarrow 36$	2 mrks: correct or 1 mrk: correct explanation	PFA	A	(2)

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
11.c)	The number of dots added to each new picture increases by 1 each time.	2 mrks: correct or 1 mrk: correct working	PFA	R	(1)
12.	$\times 6; + 2$	2 mrks: both rules correct and correct order OR 1 mrk: 1 rule correct, order does not matter	PFA	A	(2)
13.a)	B	1 mrk: correct	SS	K	(1)
13.b)	D and E	1 mrk: BOTH correct	SS	K	(1)
14.	C	1 mrk: correct	SS	A	(1)
15.	A	1 mrk: correct	SS	K	(1)
16.	Child A can see the front door	1 mrk: correct	SS	A	(1)
17.	40 kilograms	1 mrk: correct	M	K	(1)
18.	15 millilitres	1 mrk: correct	M	K	(1)
19.	14	1 mrk: correct	M	K	(1)
20.	6	1 mrk: correct	M	A	(1)

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
21.	B and C have equal areas A, C and D have equal perimeters	2 mrks: both correct and no other option ticked OR 1 mrk: either correct and no other option ticked or both correct with one extra option ticked	M	A	(2)
22.a)	Action and Romance	1 mrk: both correct and no other	DH	K	(1)
22.b)	$\frac{3}{4}$	1 mrk: correct	DH	A	(1)
23.	100	1 mrk: correct *When you toss a coin, there is an equal chance of it landing on either side. The number of times it lands on one side is probably half of the total number of coin tosses.*	DH	A	(1)

Question	Correct solution(s)	Comment	Content area	Cognitive domain	Mark allocation
24.	Aug, Sep, Oct	2 mrks: all correct and no other OR 1 mrk: at least 2 correct and no other or all 3 correct and at most 1 other	DH	R	(2)