



Mathematical Reasoning

- 1** Solve for the missing value
 $63 + ? = 272$

A 197	B 179	C 251
D 209	E 233	F 173

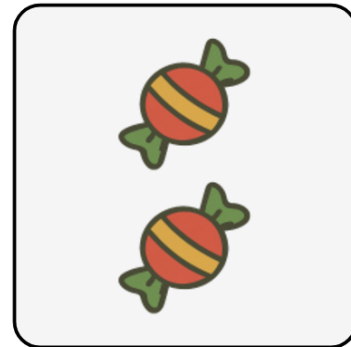
- 2** Solve for the missing value
 $? - 729 = 106$

A 700	B 619	C 835
D 1,078	E 754	F 1,024

- 3** Solve for the missing value
 $? - 98 = 1$

A 111	B 114	C 75
D 96	E 117	F 99

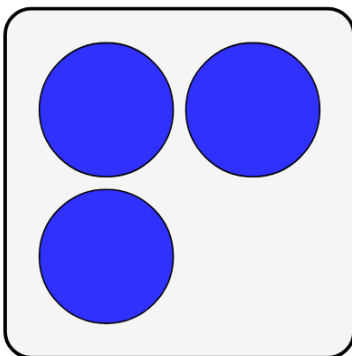
- 4** Choose the subtraction sentence for when you remove 1 candy.



Remove 1 candy

A $2 - 1$	B $2 - 5$	C $4 - 1$
D $3 - 1$	E $5 - 1$	F $2 - 0$

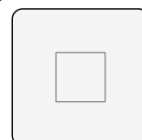
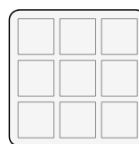
- 5** Choose the subtraction sentence for when you remove 2 circles.



Remove 2 circles

A $2 - 2$	B $0 - 2$	C $5 - 2$
D $3 - 2$	E $3 - 3$	F $3 - 6$

- 6** Choose the addition sentence for the squares?



A $9 + 3$
B $9 + 4$
C $9 + 1$
D $9 + 2$



Mathematical Reasoning

- 7** Solve for the missing value
 $? - 315 - 465 - 183 = 24$

A 859	B 1,147	C 763
D 1,275	E 699	F 987

- 8** Is the first set less than, greater than, or equal to the second set?



A	<
B	>
C	=

- 9** Choose the addition sentence for the blocks



A $20 + 12$	B $24 + 12$	C $21 + 9$
D $21 + 7$	E $21 + 11$	F $21 + 12$

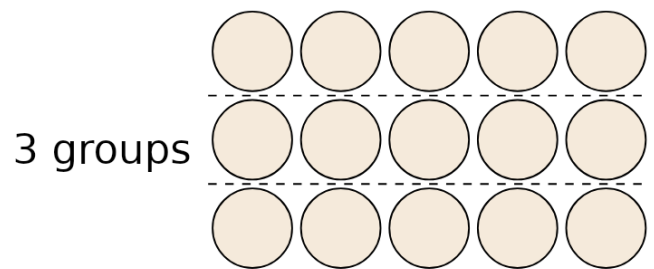
- 11** Solve this problem:

How many pieces of candy does each kid get if 8 kids split 72 pieces of candy evenly?

A -72	B 0	C 9
D 64	E 0	F -8

- 10** What division equation would help you divide the set of shapes as shown

Total = 15



A $15 \div 3$	B $8 \div 4$
C $10 \div 5$	D $49 \div 7$
E $24 \div 6$	F $30 \div 6$

- 12** Subtract these numbers

$$141 - 23$$

A 128	B 0	C 118
D 39	E 108	F 79

- 13** Subtract these numbers

$$\begin{array}{r} 108 \\ -21 \\ \hline \end{array}$$

A 187	B 58	C 0
D 87	E 174	F 203



Mathematical Reasoning

14 Subtract, regrouping across the zeros

$$300 - 230$$

A 70	B 0	C 170
D 140	E 23	F 117

15 Solve for the missing value

$$? + 3 + 22 = 33$$

A 8	B 1	C 12
D 4	E 14	F 10

16 Solve for the missing value

$$? + 19 = 31$$

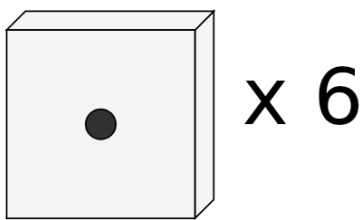
A 19	B 7	C 3
D 13	E 12	F 10

17 Solve for the missing value

$$65 + ? + 1 + 2 = 69$$

A 1	B 3	C 8
D 9	E 7	F 10

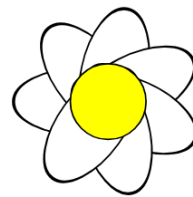
18 Each dice has 1 dots. How many dots would there be on 6 dice?



$\times 6$

A 1
B 6
C 8

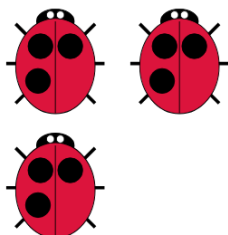
19 Each flower has 7 petals. How many petals would there be on 4 flowers?



$\times 4$

A 28
B 23
C 26
D 30

20 Each ladybug has 3 spots. How many spots in total?



A 6
B 7
C 9

21 Is the first number less than, equal to, or greater than the second number?
81 309

81 ○ 309

A >
B <
C =



Mathematical Reasoning

- 22** Is the first number less than, equal to, or greater than the second number?
870 883

870 ○ 883

A	<
B	=
C	>

- 23** Find the term that would complete this increasing pattern in the missing space

1, ?, 5, 7

A	0	B	3	C	-1
D	9	E	2	F	-2

- 24** Find the term that would complete this decreasing pattern in the missing space
?, 9, 7, 5

?



1

2

3

4

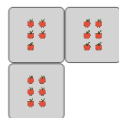
A	4	B	20	C	5
D	11	E	16	F	9

- 25** Skip count upwards by 3

3, 6, 9, 12, __, __

A	15, 17	B	16, 18
C	16, 19	D	15, 18
E	15, 19	F	14, 17

- 26** How many apples would be in the MIDDLE group if you arranged them from smallest to largest?



A	8	B	4	C	5
D	6	E	2	F	3

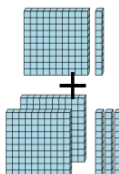
- 27** Order these numbers from highest to lowest

3,446

6,463

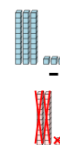
A		B	
	3446		6463
	6463		3446

- 28** Choose the addition sentence for the blocks



A	111 + 230	B	110 + 225	C	110 + 232
D	106 + 230	E	110 + 230	F	113 + 230

- 29** Choose the subtraction sentence if the second group is subtracted from the first?



A	33 - 4023	B	33 - 12	C	12 - 21
D	75 - 21	E	33 - 21	F	4 - 21



Mathematical Reasoning

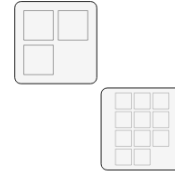
30 Order these numbers from lowest to highest

7,228
8,722
2,872
8,287

A	B
2872	2872
7228	7228
8287	8722
8722	8287

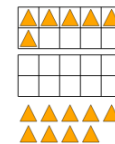
8722
7228
2872
8287

31 Choose the addition sentence for the squares?



A 3 + 11	B 3 + 7	C 1 + 11
D 3 + 10	E 3 + 15	F 3 + 6

32 Find the total number of orange triangles when you add the 9 at the bottom



A 10	B 13	C 15
D 8	E 24	F 19

33 Each ladybug has 5 spots. How many spots would there be on 9 ladybugs?



$\times 9$

A 48	B 45	C 40
D 41	E 47	

34 Solve for the missing value

$$73 - 54 - ? = 3$$

A 8	B 18	C 16
D 11	E 21	F 19

35 Estimate the sum by rounding each number to the nearest 10

$$32 + 69 = ?$$

A 110	B 130
C 70	D 100

36 Estimate the difference by rounding each number to the nearest 10

$$41 - 19 = ?$$

A 50	B 40
C 20	D 30



Mathematical Reasoning

37 Estimate the sum by rounding each number to the nearest 10

$$838 + 61 = ?$$

A

900

B

930

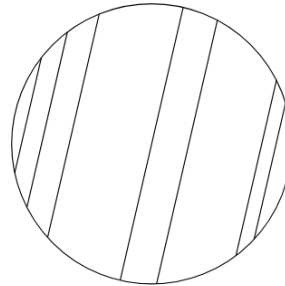
C

880

D

910

38 Is this circle divided into 8 equal parts?



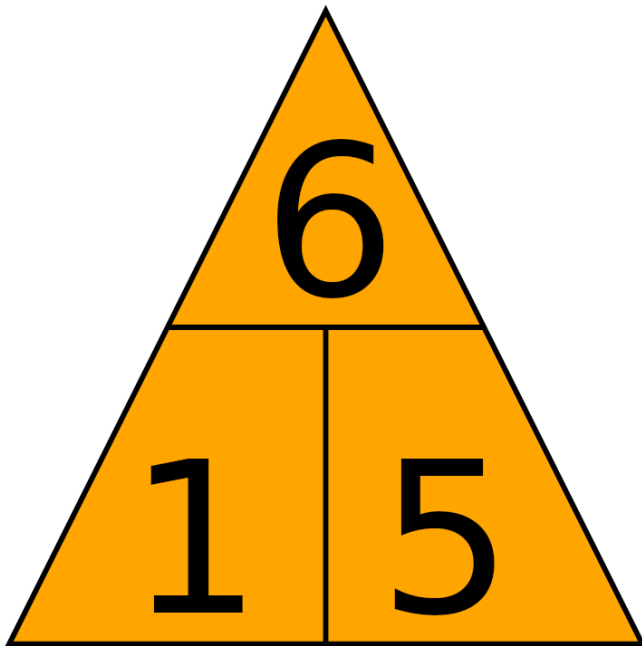
A

No

B

Yes

39 Which subtraction fact comes from this fact family



A

$$5 - 1 = 6$$

B

$$1 - 6 = 5$$

C

$$6 - 1 = 5$$

40 Which picture shows this many blocks?

twenty-one

A



B

