



Identify irrelevant information

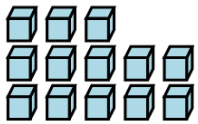
1 Divide these numbers

$$80 \div 8$$

A 9	B 100	C 12
D 72	E 1,200	F 10

2 Find the terms shown in this decreasing pattern

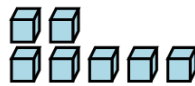
13, 10, 7, 4



1



2



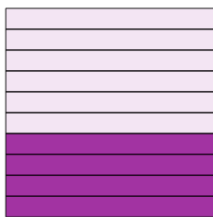
3



4

A 9, 16, 25
B 13, 10, 7, 4

3 4 out of 10 are shaded. What decimal number is that?



4/10

A 0.4
B 0.8
C 0.1
D 0.9

4 Find the missing number to create the 3 digit decimal number

$$0.4 + \underline{\quad} = 0.405$$

A 0.05	B 0.005	C 0.004
D 0.003	E 0.001	F 0

5 Find the numerator when this whole number is turned into an improper fraction (don't simplify)



$$2 = \frac{\quad}{2}$$

A 12	B 9	C 2
D 4	E 3	F 11

6 Add these fractions, but don't simplify the answer

$$\frac{1}{7} + \frac{6}{11}$$

A $\frac{128}{77}$	B $\frac{22}{77}$	C $\frac{77}{77}$
D $\frac{6}{77}$	E $\frac{71}{77}$	F $\frac{53}{77}$



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- 7 Subtract these fractions, but don't simplify the answer

$$1\frac{1}{3} - \frac{1}{9}$$

A	$\frac{18}{9}$	B	$\frac{29}{9}$	C	$\frac{7}{9}$
D	$\frac{9}{9}$	E	$\frac{11}{9}$	F	$\frac{12}{9}$

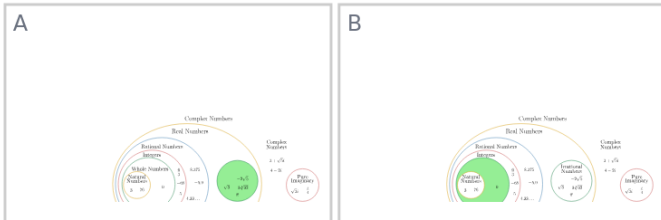
- 8 Select the set that means an irrational number

Irrational Number

A	$\{a + bi \mid a, b \in \mathbb{R}\}$
B	$\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$
C	$\{x \mid x \in \mathbb{N}\}$
D	$\{x \mid x \in \mathbb{Q}\}$

- 9 Select the grouping that shows whole numbers

Whole Number



- 10 Each letter is a digit (0-9). Is the digit '4' possible in the box with a question mark?

$$\begin{array}{r} \boxed{A} \boxed{B} \boxed{8} \\ \times \quad \boxed{D} \boxed{?} \\ \hline \boxed{F} \boxed{G} \boxed{H} \boxed{2} \end{array}$$

A	No
B	Yes

- 11 Find this missing value for the divisor in this long division

$$\begin{array}{r} 92 \\ 7 \overline{) 644} \\ \underline{63} \\ 14 \\ \underline{14} \\ 0 \end{array}$$

A	16	B	6	C	7
D	2	E	10	F	3

- 12 How would you calculate this measurement?

The most commonly occurring number in a set of numbers

- A Add up all the numbers and divide by how many numbers there are
- B Count how many of each number there are and choose the one that is most common
- C Subtract the smallest number from the biggest number
- D Put the numbers in order and choose the middle one

- 13 What would this approach calculate for you?
Put the numbers in order and choose the middle one

- A The average of a set of numbers
- B The most commonly occurring number in a set of numbers
- C The middle number of a set of numbers when ranked in order
- D The distance between the highest and lowest of a set of numbers

- 14 Find the range of the numbers (9, 4, 5, 8, 8, 7) using the guide

$$\underline{4} \ 7 \ 8 \ 8 \ \underline{9}$$

$$9 - 4$$

A	B	C
	0	7
D	E	F
3	10	2

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15 Choose the formula or guide for the range of these numbers

7, 4, 6

A

 $\underline{4} \ 6 \ \underline{7}$ $7 - 4$

B

4 6 7

 $\rightarrow \leftarrow$

C

4 6 7

one 7

D

$$\frac{7 + 4 + 6}{3}$$

16 Solve this problem:

How many grams of candy would each kid have if a group of 2 kids each has 4 pieces of candy and each piece weighs 5 grams?

A

10

B

2

C

2,000

D

20

E

18

F

19

17 Solve this problem:

A group of 30 koalas eat 35 grams of apples. Each apple weighs 5 grams. How many apples were eaten?

A

0

B

7

C

90

D

30

E

70

F

1

18 Find the range of these numbers

4, 9, 7, 6

A

4

B

6

C

5

D

0

E

1

F

10

19 What is the DIFFERENCE between the largest and smallest number of ice creams in these groups?



A

8

B

9

C

5

D

7

E

4

F

6