

Explain reasoning with mathematical vocabulary

1

Each koala eats 7 apples. There are 9 koalas. Each apple weighs 11 grams. How many apples are eaten in total?

A	$9 - 7$	B	9×27
C	11×9	D	11×9
E	11×7	F	9×7

2

Each koala eats 2 apples. There are 5 koalas. Each apple weighs 6 grams. How many apples are eaten in total?

A	8	B	100	C	9
D	10	E	12	F	30

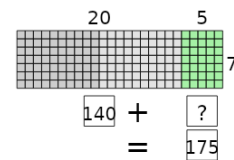
3

Solve for the missing value
 $? \div 2 = 5$

A	0	B	1,400	C	10
D	130	E	7	F	700

4

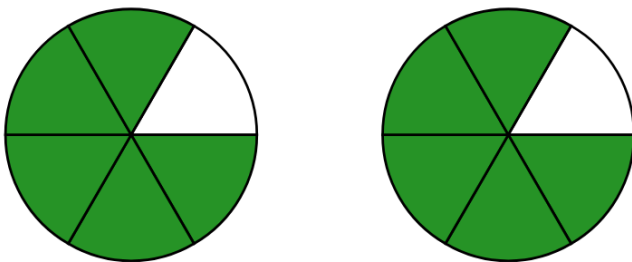
Use the area model to find the missing value when multiplying 25 and 7



A	35	B	32	C	30
D	38	E	37	F	33

5

Find the multiplication equation that represents this picture



A	$3 \times \frac{5}{6}$	B	$2 \times \frac{5}{6}$
C	$2 \cdot \frac{5}{5}$	D	$2 \cdot \frac{3}{6}$

6

Choose the correct equality operator

$$\frac{7}{10} \quad \bigcirc \quad 0.6$$

A	>	B	=	C	<
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7

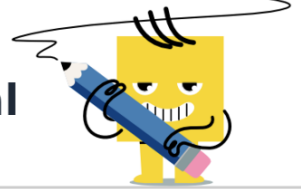
Complete the equivalent fraction by finding the missing denominator

$$\frac{4}{144} = \frac{12}{?}$$

A	432	B	429	C	430
D	431	E	435	F	433



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**8**

Set up this fraction addition problem correctly

$$\frac{7}{11} + \frac{4}{5}$$

A

$$\frac{42}{66} + \frac{44}{66}$$

B

$$1\frac{2}{5} + \frac{4}{5}$$

C

$$\frac{35}{55} + \frac{44}{55}$$

9

Set up this fraction subtraction problem correctly

$$1\frac{1}{2} - \frac{1}{4}$$

A

$$\frac{5}{4} - \frac{1}{4}$$

B

$$\frac{16}{12} - \frac{3}{12}$$

C

$$\frac{6}{4} - \frac{1}{4}$$

10

5, 14, 8, 16, 12

A

$$\frac{5 + 14 + 8 + 16 + 12}{5}$$

B

$$\underline{5} \ 8 \ 12 \ 14 \ 16$$

one 5

C

$$\underline{5} \ 8 \ 12 \ 14 \ \underline{16}$$

$$16 - 5$$

11

42 pieces of candy are split evenly amongst 7 kids. How many pieces of candy does each kid get?

A

800

B

35

C

0

D

5

E

21

F

6

12

How many apples does each koala eat if 3 koalas share 27 apples evenly, and each apple weighs 24 grams?

A

8

B

1

C

7

D

24

E

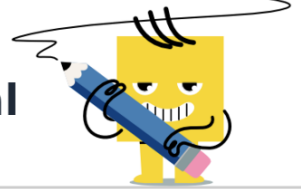
4

F

9



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**13**

Which equations represent what these meals cost



A $7n = 30$
 $2n = ?$

B $6n = 30$
 $2n = ?$

C $6n = 30$
 $n = ?$

D $9n = 30$
 $n = ?$

14

Divide these numbers

$$\frac{9}{4}$$

A 0.03	B 0.13	C 2.25
D 1.82	E 1.96	F 32.5

15

Add these fractions, but don't simplify the answer

$$\frac{1}{2} + \frac{2}{3}$$

A $\frac{2}{6}$	B $\frac{6}{6}$	C $\frac{7}{6}$
D $\frac{2}{6}$	E $\frac{4}{6}$	F $\frac{15}{6}$