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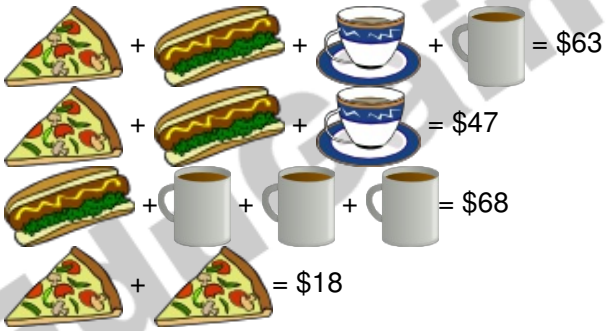
Grade 4

Olympiad

Answer the questions

(1) 

What is the cost of  ?

(2) In a clock, the hour hand is pointing between digits 5 and 6, and the minute hand is pointing at 7. What is the current time?

(3) If '+' means '-', '×' means '+', '÷' means '×' and '-' means '÷' find the value of expression:
7 + 8 × 15 ÷ 3 - 1 =

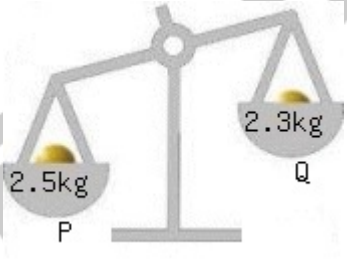
(4) If ♠ × 6 = ♣, and
♣ – ♠ = 650,
then what is the value of ♣ + ♠ ?

(5) Find the predecessor of the smallest 6 digit number.

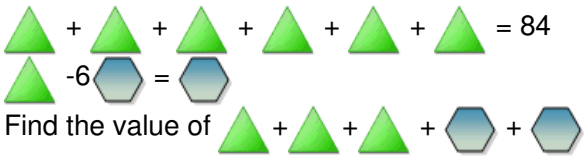
(6) What fraction of squares in the grid given below contain alphabets?

C	G	N	Q	M
U	E	L	H	O
Y	W			
K	R			
J	A			

(7) The diagram given below shows the weights of two bags of sugar.



Find the weight, in grams, of sugar that should be added to the bag Q in order to balance the scale.

(8) 

(9) Mia's mom made a set of pastries (the set had 20 pastries). She had to throw $\frac{1}{5}$ of the pastries as they were over-baked. She made 4 more sets of pastries. How many pastries does she have now?

(10) Sofia has 27 chocolates. Madison has one third as many chocolates as Sofia. Jose has 8 more chocolates than Madison. What expression will show the number of chocolates Jose has?

(11) 

Choose correct answer(s) from the given choices

(12) Which pair of numbers can complete this condition?

$\square \times 100 = \square$

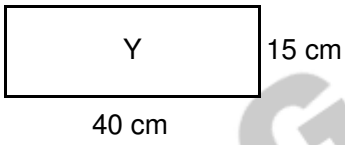
a. 406 and 4600

b. 460 and 4006

c. 46 and 460

d. 46 and 4600

(13) Which expression represents the perimeter (P) of the rectangle.



a. P = 2 × (40 × 15)

b. P = 2 + (40 + 15)

c. P = 2 × (40 - 15)

d. P = 2 × (40 + 15)

(14) Angel solved the problem as shown below. Which expression could be used to check his result?

$$15\overline{)10002(}\ 666$$

Remainder: 12

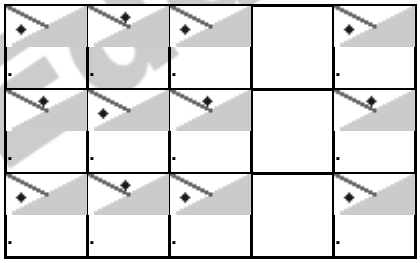
a. (15 × 666) + 12

b. (666 × 12) + 15

c. (15 + 666) × 12

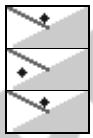
d. (666 ÷ 12) + 15

(15) Michael arranges tiles on the floor as shown below. Which column of tiles is missing from Michael's floor?



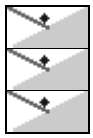
a.

b.



c.

d.



Answers

(1) 20

(2) 05:35 hours

(3) 44

(4) 910

(5) 99999

(6) $\frac{16}{25}$

(7) 200 grams

(8) 46

(9) 96

(10) (27 ÷ 3) + 8

(11) 20 bulbs

(12) **d.**

46 and 4600

(13) **d.** P = 2 × (40 + 15)

(14) **a.** (15 × 666) + 12

(15) **b.**