Grade 4
Olympiad

Answer the questions

(1) A bear is chasing a rabbit.

| 5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m
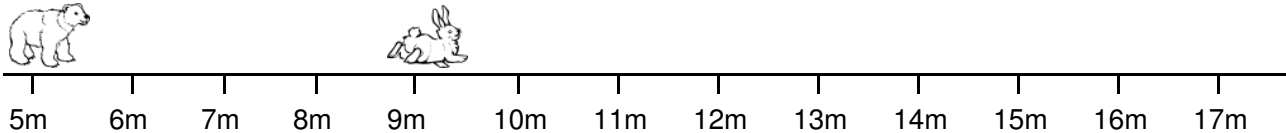
The bear starts from 5 m and jumps 3 m every time.
The rabbit starts from 9 m and jumps 2 m every time.
If they both start at the same time, after how many jumps will the bear catch the rabbit?

(2) When a number is put into the machine below, a different number comes out. If 8 goes in, 2 comes out. If 11 goes in, 5 comes out. If 12 goes in, 6 comes out.

14
↓

Number Machine → ?
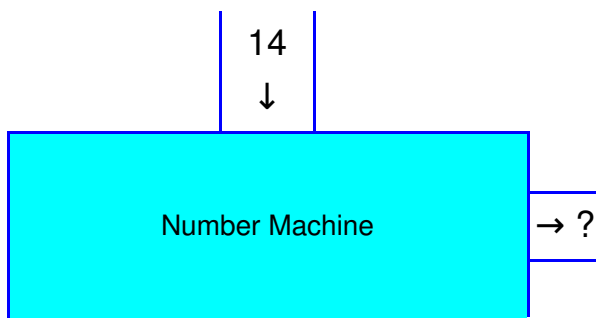
If 14 goes in, what number should come out?

(3) Joshua made the input output table given below:
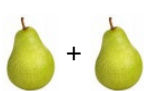
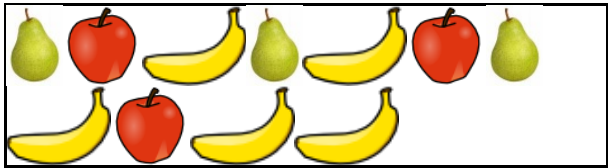| Input	Output
42	7
36	6
12	2
24	4
18	3

What rule can be used to find each output number?

(4) Samuel went to the market with $580. From the set of three items given below, he bought two of them. How much money is left with him?

$280 $270 $340

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(5) = 15 pencils

= ?

(6) + = 10 kg

+ + + + = 32 kg

+ = 7 kg

What is the weight of one ?

(7) The following figure shows different fruits in a basket. What fraction of the fruits are apples?

(8) The table shows description of four Copiers.

Printer	Specification
Copier 1	Copies 3 pages per second
Copier 2	Copies 12 pages per minute
Copier 3	Copies 1 page every 3 seconds
Copier 4	Copies 20 pages per minute

Which is the slowest?

(9) In a community, two neighbours have rectangular backyards having the same area of 600 sq. meter. If the width of first backyard is 25 meter and the width of second backyard is 5 meter, find which backyard will require more fencing and by how much?

(10) Find the missing term.
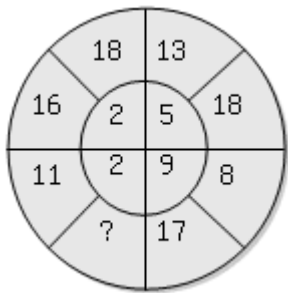
Choose correct answer(s) from the given choices

(11) Which of the following is correct?

    a. 100 + 26 = 102 + 6   **b.** 100 + 26 = 106 + 20

    c. 100 + 26 = 160 + 2   **d.** 100 + 26 = 10 + 26

(12) Faith earns $17 per hour by selling vegetables. Last week she worked for 14 hours, and spent $83 of the money she earned. Which of following expression shows the money left with her?
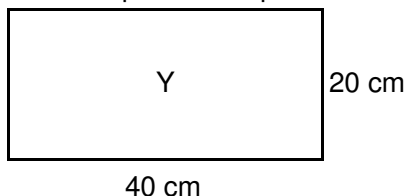
    a. $17.00 × 14 + $83.00   **b.** $17.00 × 14 – $83.00

    c. $17.00 + 14 – $83.00   **d.** $17.00 × 14 ÷ $83.00

(13) Which rule can be used to explain this number pattern?

1, 1, 2, 4, 7, 11, 16, ...

    a. Multiply by 4 and add 2

    b. Add 0, then add 1, then add 2, and so on

    c. Multiply by 1, then multiply by 2, then multiply by 3, and so on

    d. Multiply by 4 and subtract 2

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

Y   20 cm

40 cm

    a. P = 2 × (40 × 20)   **b.** P = 2 × (40 - 20)

    c. P = 2 + (40 + 20)   **d.** P = 2 × (40 + 20)

(15) In a park, Zachary notices that there are 36 legs. How many people and dogs can be there in the park?

    a. 5 people and 6 dogs   **b.** 6 people and 7 dogs

    c. 6 people and 6 dogs   **d.** 7 people and 6 dogs

Many more such worksheets can be generated at www.edugain.com

Answers

(1)   4 jumps

(2)   8

(3)   Divide by 6

(4) $30

(5)   25 pencils

(6)   2 kg

(7) $\dfrac{3}{11}$

(8)   Copier 2

(9)   Second, more by 152 meter

(10)   9

(11)   **b.** 100 + 26 = 106 + 20

(12)   **b.** $17.00 × 14 − $83.00

(13)   **b.** Add 0, then add 1, then add 2, and so on

(14)   **d.** P = 2 × (40 + 20)

(15)   **c.** 6 people and 6 dogs