

Knowledge

Question 1:

1.1) Write down the correct answer.

(a) $12 \times 1 =$	12	(b) $15 \div 1 =$	15	(c) $3 + 6 + 0 =$	9
(d) $15 \times 0 =$	0	(d) $9 \div 9 =$	1	(e) $10 + 4 \times 6 \times 1 =$	34
(f) $1 \times 1 =$	1	(g) $12 \div 12 =$	1	(h) $5 + 7 \times 0 =$	5
(i) $0 \times 9 =$	0	(j) $1 \div 0 =$	undefined	(k) $0 \div 7 + 4 =$	4

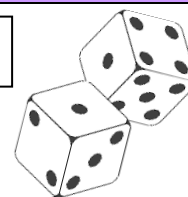
1.2) Fill in < ; > or =

(a) $4 \times 5 \times 6 =$	120	(b) $3 \times 5 \times 4 =$	60
(c) $8 \times 3 \times 10 =$	240	(d) $100 \div 4 \times 3 =$	75
(e) $9 \times 9 \times 2 =$	162	(f) $1\ 000 \div 8 \times 2 =$	250
(g) $2 \times 50 \times 10 =$	1000	(h) $140 \div 2 \times 2 =$	140
(i) $4 \times 4 \times 2 \times 2 =$	64	(j) $1000 \div 8 \div 125 =$	1

Application

Question 2:

These questions are based on a six faced dice.



2.1) Study the following and answer the questions.

(a) How many faces are there in 4 dices?	24
(b) If you roll 10 dices, what is the most times that you will roll a six?	10
(c) Calculate the dots all the dots on 4 dices. Write a number sentence as well. Number sentence: $(4 \times 6) + (4 \times 5) + (4 \times 4) + (4 \times 3) + (4 \times 2) + (4 \times 1) =$	84

(d)	What is the probability to roll a "2" if you only use "3' dices?	$\frac{3}{18}$
(e)	What is the probability to roll an even number if you only roll one dice?	$\frac{3}{6}$
(f)	What is the probability to roll an uneven number if 4 dices are used?	$\frac{12}{18}$
(h)	How many factors of 12 are one dice?	4
(i)	How many dices were rolled to indicate the following number sentence? (6 x 6) + (6 x 5) + (6 x 4) + (6 x 3) + (6 x 2) + (6 x 1)	6
(j)	Calculate the answer of (i)	126

Reasoning

Question 3:

- (a) Three dices are rolled and the scores are multiplied together. The product is 72. What is the sum of the three scores? Write down the number sentence as well.

$$6 \times 6 \times 2 = 72 \text{ therefore } 6 + 6 + 2 = 14$$

- (b) Three dices are rolled and the scores are multiplied together. The product is 90. What is the sum of the three scores? Write down the number sentence as well.

$$6 \times 5 \times 3 = 90 \text{ therefore } 6 + 5 + 3 = 14$$

- (c) Three dices are rolled and the scores are multiplied together. The product is 216. What is the sum of the three scores? Write down the number sentence as well.

$$6 \times 6 \times 6 = 216 \text{ therefore } 6 + 6 + 6 = 18$$

- (d) Calculate the product of the dots on the faces underneath.

$$3 \times 5 = 15 \text{ (Remember: The sum of the dots on the opposite sides is always 7.)}$$

