

Ämnesprov, läsår 2014/2015

Mathematics

Delprov B

Årskurs

6

Elevens namn och klass/grupp

1. Solve the tasks and write the answers. (3/1/0)

a) $4\,786 + 201 = \underline{\hspace{2cm}}$ b) $\frac{400}{100} = \underline{\hspace{2cm}}$

c) $\frac{125}{5} = \underline{\hspace{2cm}}$ d) $1 - \frac{1}{5} = \underline{\hspace{2cm}}$

2. Estimate and circle the calculation that gives the biggest result. (1/0/0)

$806 - 289$ $97 + 187$ $192 \cdot 2$ $\frac{589}{100}$

3. a) 23.1 million people live in Australia. (1/0/0)
Write the number using only figures.

Answer: _____

- b) Of all the people living in Australia, 0.42 million (1/0/0)
were born in New Zealand.
Write the number using only figures.

Answer: _____

4. Leo divides his football cards into 4 albums.
He gets 78 cards in each album.
How many cards does he have?
Show your working.



(2/0/0)

5. Leo has two bags. One suitcase that weighs 15.5 kg
and one backpack that weighs 6.7 kg.
How much heavier is the suitcase than the backpack?
Show your working.



(2/0/0)

6. Use your preferred method of calculation.
Show your calculations.
Use the grid if you want.

a) $1\,261 - 957 =$

(2/0/0)

b) $24.2 + 109.7 + 3.8 =$

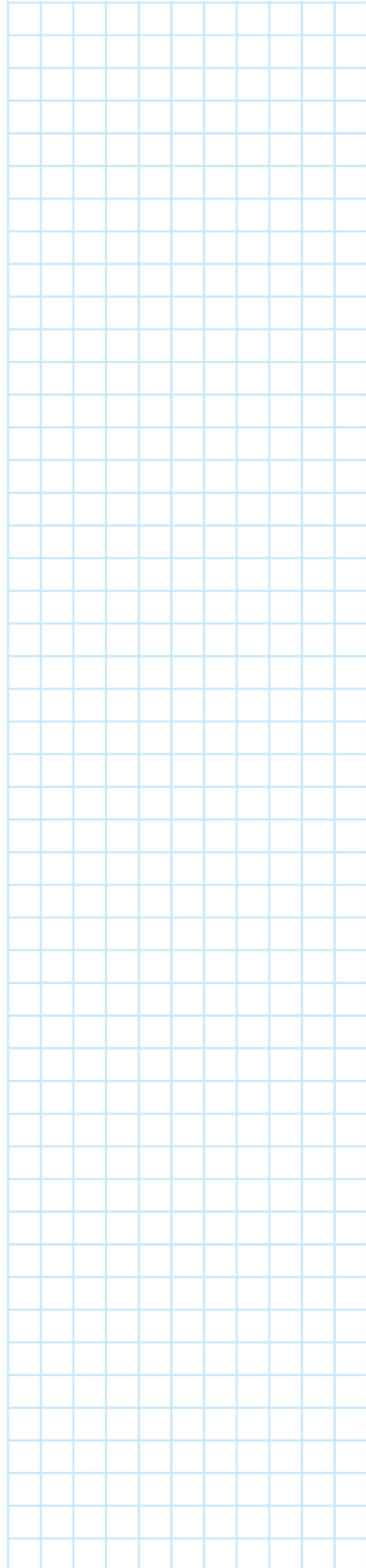
(2/0/0)

c) $7 \cdot 264 =$

(2/0/0)

d) $\frac{96.2}{4} =$

(1/1/0)



7. Write the missing numbers so that each equation is correct. (2/2/0)

a) _____ + 0.8 = 1.0

b) $6 \cdot 7 =$ _____ $+ 12$

c) $300 -$ _____ $= 167$

d) $100 \cdot$ _____ $= 30$

8. Leo is 12 years old. He is three times as old as Anna. (0/1/0)

Which expression describes Anna's age?

Circle your answer.

$3 \cdot 12$

$\frac{12}{3}$

$12 - 3$

$12 + 12 + 12$

$\frac{12}{4}$

9. Maja has used a calculator to solve a calculation. She got the answer 4.5. (0/1/0)

Which calculation did she do?

Circle your answer.

$3.8 + 1.7$

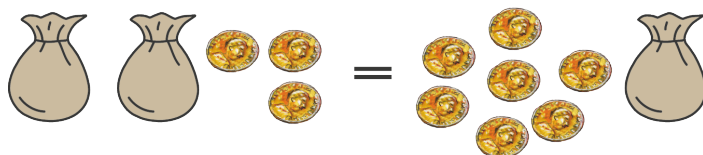
$\frac{45}{100}$

$10.0 - 6.5$

$\frac{36}{8}$

$4 \cdot 1.5$

10.



There are the same amount of coins in each bag.

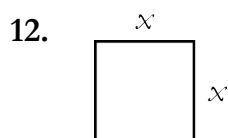
How many coins are there in *one* bag?

(1/0/0)

Answer: _____

11. One of the equations has the solution $x = 3$. Which one? (0/1/0)
Circle your answer.

$6 \cdot x - 10 = 6$
 $2 + x = 2 \cdot x$
 $\frac{9}{x} + 4 = 7$
 $4 + 2 \cdot x = 9$
 $\frac{x}{3} = 9$



- Which expression describes the perimeter of the square? (0/1/0)
Circle your answer.

$x + x$
 $4 \cdot x$
 $x \cdot x$
 $2 \cdot x$
 $2 + x$

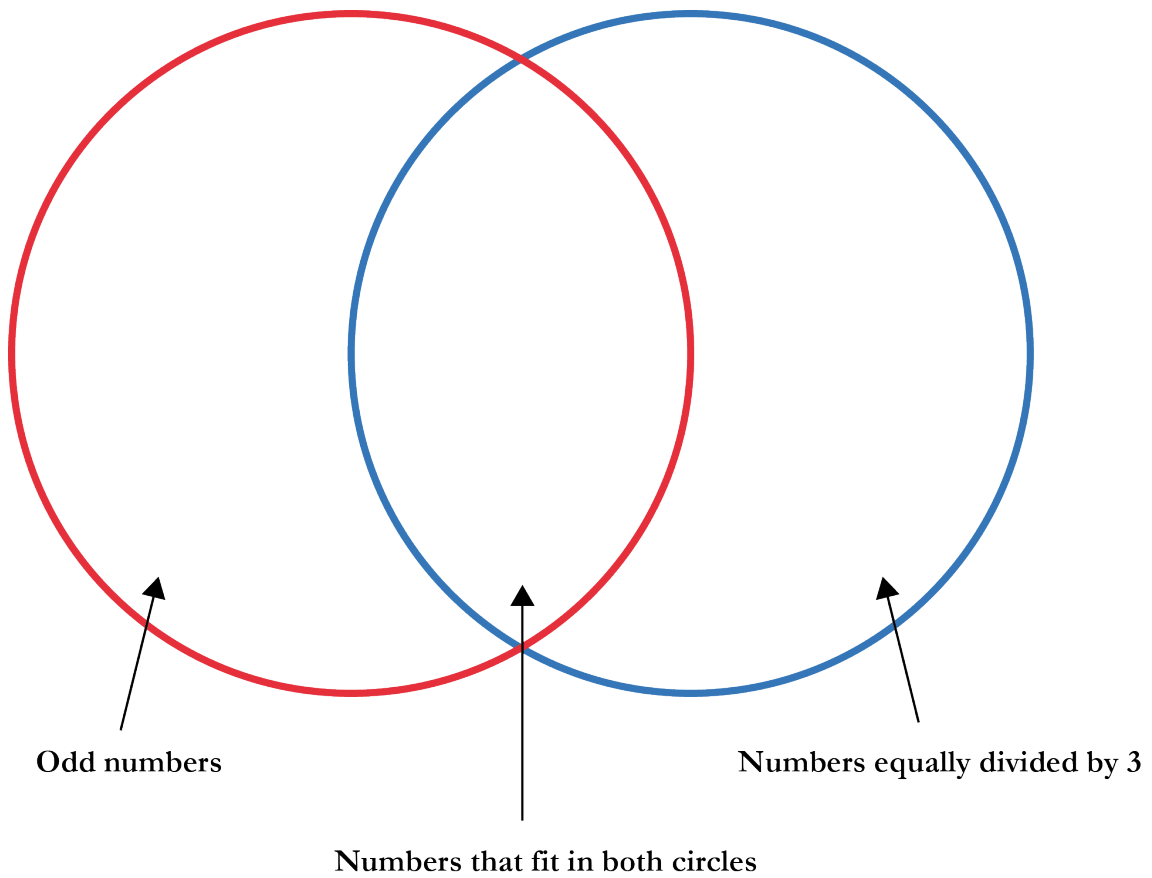
13. A koala can sleep for 18 hours per day. What fraction of the day is this? (1/1/0)
Show your working.



14. Write the numbers in the right part of the circles.
 Some numbers can go in both circles.
 You may only use each number once.

(1/2/0)

5 6 15 23 69 120



15. Write the missing numbers in the squares, so that each calculation is correct.

a) $\frac{3}{4} + \frac{2}{\square} = 1$ (0/0/1)

b) $\frac{1}{3} + \frac{\square}{6} = 1$ (0/0/1)

