

Mathematics

Delprov B

ÅRSKURS

6

Elevens namn och klass/grupp

1. Work out the following and write down the answer.

(4/0/0)

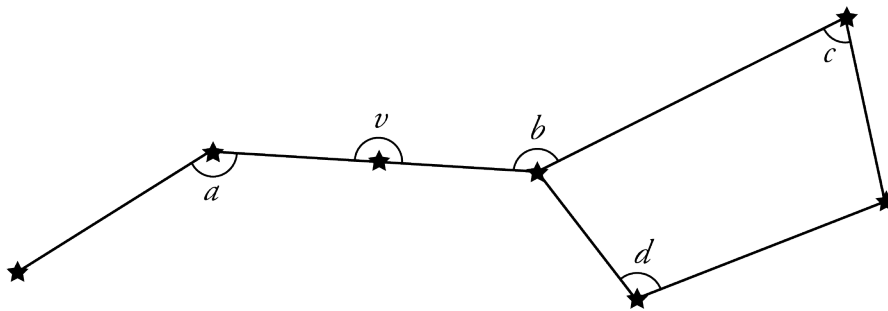
a) $100 \cdot 49 =$ _____

b) $3.05 + 2.45 =$ _____

c) $6 \cdot 0.3 =$ _____

d) $\frac{160}{20} =$ _____

2. The Plough is part of a constellation you can see in the night sky from Sweden.



a) Which of its angles, a , b , c or d is an acute angle?

(1/0/0)

Answer: _____

b) How many degrees are there in angle v ?

(1/0/0)

Answer: _____

3. Work out the following and show how you worked them out. Use the grid if you want.

a) $1\,524 + 987 + 476 =$

(2/0/0)

b) $831 - 294 =$

(2/0/0)

c) $346 \cdot 8 =$

(2/0/0)

d) $\frac{1\,235}{5} =$

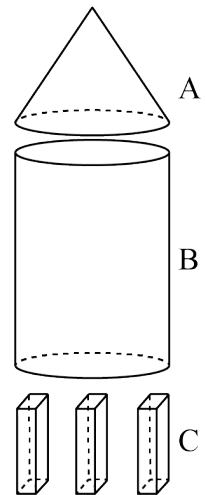
(2/0/0)

4. The pupils are building space rockets.
Ester makes a drawing of her rocket.
Which geometric figures make up her rocket?

A: _____

B: _____

C: _____



(2/0/0)

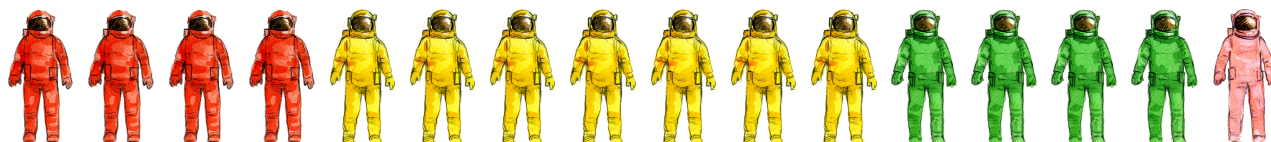
5. William's and Leo's team are selling cookies. William and Leo collect a total of 1 305 Swedish Crowns between them from the cookies they sell. William collects 765 Swedish Crowns. How many Swedish Crowns does Leo collect?
Show how you work this out.



(2/0/0)

6. Viktor wants to buy a new game. He saves up 75 Swedish Crowns per month. After 6 months he has saved up half of what the game costs. How much does the game cost?
Show how you work this out.

(2/0/0)



7. Class 6 A is holding a lottery. Everyone who buys a lottery ticket wins a spaceman figure. There are 4 red, 7 yellow, 4 green and 1 pink spaceman figures.

- a) Samira buys the first lottery ticket. (1/0/0)
What is the probability that she wins a green spaceman figure?

Answer: _____

- b) Samira wins a green spaceman figure with her lottery ticket. (0/1/0)
Leo then buys the second lottery ticket.
What is the probability that he wins a red or a pink spaceman figure?

Answer: _____

8. Write the following numbers in decimal form.

- a) one and three hundredths Answer: _____ (1/0/0)

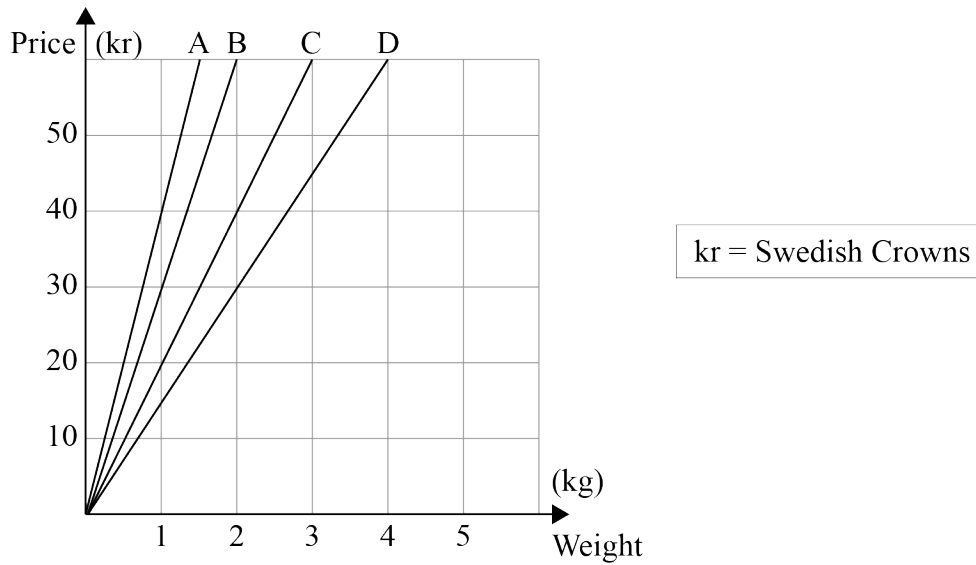
- b) twelve tenths Answer: _____ (0/1/0)

9. Solve the equations.

- a) $38 = 6 \cdot x + 8$ Answer: $x =$ _____ (1/0/0)

- b) $\frac{x}{4} + 2 = 8$ Answer: $x =$ _____ (0/1/0)

10. The diagram shows the price per kilogram of four types of fruit in a shop.



- a) The melons cost 40 kr/kg. (1/0/0)
Which line shows the price per kilogram for melons?

Answer: _____

- b) The price for 750 g of bananas is 15 Swedish Crowns. (1/1/0)
Which line shows the price per kilogram for bananas?
Show how you work this out.

- c) The apples are the cheapest. Samira buys 8 kg of apples. (0/2/0)
How much will she pay?
Show how you work this out.

11. Which two numbers have the same value? (0/1/0)
Circle your answer.

$\frac{6}{100}$ 40 % 60 % 0.04 $\frac{3}{5}$ 0.35

12. Which calculation equals 7? (0/1/0)
Circle your answer.

$\frac{72}{12}$ $700 \cdot 0.1$ $\frac{70}{100}$ $0.35 \cdot 2$ $\frac{420}{60}$

13. It costs 50 Swedish Crowns to join the space club. (0/1/1)
Then it costs another 10 Swedish Crowns every month.
Write an expression or a formula that describes
the cost for x months.

Answer: _____

14. You know that $\frac{235}{50} = 4.7$. So what does $\frac{235}{0.5}$ make? (0/0/1)

Answer: _____

