

MATHEMATICS TEST

Year 9 – Part C1

Only answers are required. The answers are to be written on the test paper.

To save time use mental arithmetic as much as possible.

Time: 25 minutes.

Name: _____

School: _____ Class: _____

Date of birth: Year _____ Month _____

Day _____

Girl

☐

Boy

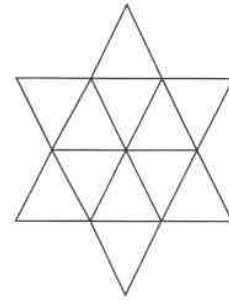
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Part C1

1. $307 + 694 =$

Answer: _____

2. Shade *one fourth* of the figure.



3. Which one of the following numbers is the smallest? Circle your answer.

2.9

2.998

2.899

2.89

2.98

4. A movie starts at 18.45 and runs for 1 h and 55 min.
What time is it when the movie ends?

Answer: _____

5. $2.35 - 0.5 =$

Answer: _____

6. Write three hundredths as a decimal number.

Answer: _____

7. A sweater costs 400 crowns.
How much do you have to pay
if you get 15 % discount?

Answer: _____ crowns

8. $7 + 3 \cdot 4 =$

Answer: _____

9. $0.2 \cdot 140 =$

Answer: _____

10. Which one of the following numbers equals one fifth?

0.5

1.5

0.05

0.2

0.15

11. $\frac{8}{0.5} =$ Answer: _____

12. For which one of these equations is $x = 2$ a solution?
Circle your answer.

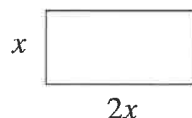
$7 + x = 5$ $x - 3 = 5$ $3 - x = 5$ $3 + x = 5$ $\frac{10x}{2} = 5$

13. $143 \cdot 9 = 1\,287$
How much larger than 1 287 is $144 \cdot 9$? Answer: _____

14. 40 bags of chips weigh 5 kg. Find the weight of one bag.
What calculation do you use? Circle your answer.

$40/5$ $40 - 5$ $40 \cdot 5$ $5/40$ $40 + 5$

15. Find the perimeter of the rectangle when $x = 5$ m.



Answer: _____ m

16. What number is positioned in the middle between -4 and 2 ? Answer: _____

17. In which one of the following calculations do you get the smallest number? Circle your answer.

$25/0.96$ $25 \cdot 0.96$ $25/0.99$ $25 \cdot 0.99$

18. A motorbike runs 9 km in 10 minutes.
Calculate in km/h the average speed of the motorbike. Answer: _____ km/h

19. Perfume comes in bottles containing 5 ml.
For how many bottles will 1 litre of perfume be enough? Answer: _____ bottles

20. Make an estimation and circle the best alternative to $0.39 \cdot 0.84$.
- 0.033 0.12 0.33 1.2 3.3

21. $\frac{32.76 + 32.76}{32.76} =$ Answer: _____

22. Solve the equation $17 - 4x = 5$ Answer: $x =$ _____

23. How many *millions* are $3 \cdot 10^8$? Answer: _____ *millions*

24. 40 % of a number is 2.
Which is the number? Answer: _____

25. Give an example of a fraction that is larger
than $\frac{6}{7}$ but smaller than 1. Answer: _____

26. Which period of time is the shortest? Circle your answer.
 $3 \frac{1}{2}$ h 195 min 3.3 h 3 h 20 min

27. Which of the following expressions stands for one fourth of a ?
Circle your answer.
 $a - 4$ $\frac{4}{a}$ $\frac{1}{4a}$ $0.25a$ $\frac{a}{0.25}$

28. How much is $6x + 8y$ if $3x + 4y = 9$? Answer: _____

29. Anders weighs a kg and Bengt weighs b kg.
Which one of the following statements can be written as $a + 0.2a = b$?
Circle your answer.
Bengt weighs 0.2 kg more than Anders. Anders weighs 0.2 kg more than Bengt.
Anders weighs 20 % more than Bengt. Bengt weighs 20 % more than Anders.

30. Simplify as far as possible $\frac{a + a}{a}$ Answer: _____