



MATH CONTEST – Model Paper

Grade 3

Duration: 2 Hours.

Student's Index Number: _____

Instructions

1. Do not open the contest booklet until you are told to do so.
2. Electronic devices (Calculators, mobile phone ..) are not permitted
3. Please use pen to write the answer.
4. You may use rulers, compasses and paper for rough work.
5. When your supervisor instructs you to start, you will have 2 hours of working time.
6. Scoring: Total 100 points; three are three parts, Part A. is worth 45 Marks, Part B, is worth 30 Marks and Part C, is worth 25 marks.

FOR MORE INFORMATION:

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Part A: Each correct answer is worth 1 point [Total of 45 points]

1. Add or Subtract

$$\begin{array}{r} 28 \\ + 39 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 29 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 457 \\ - 397 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 66 \\ + 23 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 2150 \\ + 1431 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9085 \\ + 3649 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 795 \\ + 399 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9047 \\ + 2697 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 8756 \\ + 4999 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3214 \\ - 1431 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5841 \\ - 3649 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 785 \\ - 237 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9005 \\ - 3764 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 7461 \\ - 4999 \\ \hline \hline \end{array}$$

2. Find each missing number

a. $25 - 4 = 15 + \square$

b. $9 + \square = 12 + 8$

c. $7 + 6 = 3 + \square$

d. $9 - \square = 12 - 8$

e. $17 + 6 = 3 + \square$

3. Multiply or division

a) $8 \times 0 = \square$

f) $36 \div 4 = \square$

b) $3 \times 8 = \square$

g) $21 \div 3 = \square$

c) $4 \times 9 = \square$

h) $14 \div 2 = \square$

d) $7 \times 6 = \square$

i) $20 \div 4 = \square$

e) $0 \times 9 = \square$

j) $54 \div 4 = \square$

4. Continue the pattern.

- a) 25 20 15 10 _____ _____
- b) 216 316 416 516 _____ _____
- c) 32 16 8 4 _____ _____
- d) 12 24 36 48 _____ _____
- e) 14 28 42 56 _____ _____

5. A) Measurements

- a) 1.5Kg = _____ g
- b) 3.0cm = _____ mm
- c) 3.1M = _____ cm
- d) 2200ml = _____ L
- e) 2500g = _____ Kg

B) Find the values

- a) 5 dime, 7 nickels and 8 pennies = _____
- b) 4 twonies, 7 loonies and 8 dimes = _____
- c) 15 quarters, 17 nickels and 18 pennies = _____
- d) 10 minutes past 11, what time is it now? _____
- e) 25 minutes to 10, what time is it?

Part B: Each correct answer is worth 3 points [Total of 30 points]

6. An object has 5 faces, 6 vertices and 9 edges, what object is it?

7. Bala had 4 boxes of 12 stamps. He met a friend and gave him 9 stamps. How many stamps does he have now?

8. Dinesh has 75 eggs to pack into cartons. Each box can hold 6 eggs. How Many cartons will Dinesh need?

9. How many minutes will it take for $\frac{1}{4}$ of an hour to pass?



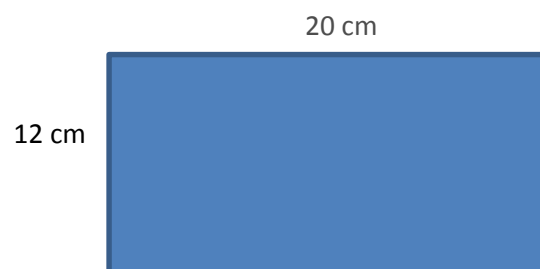
10. Do you know anyone who has lived for close to 10,000 days? Explain your reasoning.

11. At a grocery store, you can buy 1 container of cashews for \$2.75 but you can buy 5 containers for \$13.60. Which is better value for money?

12. Twenty two children were asked whether they walked to school. Eleven children said yes. What fraction of a pie chart would be taken up by the Yes segment?

13. If you have \$2.25 in your pocket and then spend 75 cents at the candy store, how much is left?

14. What is the area of this rectangle?



15. To make the next number in her sequence, swathe doubles a number and adds two. She has written 2, 6, 14. What is the next number she will write?

Part C: Each correct answer is worth 5 points [Total of 25 points]

16. Mathura brings twenty five cookies, Ali nineteen cookies and Samantha doesn't bring any cookie. They put all the cookies together on a table and divide them equally among themselves to take home. How many cookies does each of the girls take home? Show your steps.
17. A math class lasts 49 minutes. Ian can solve any problem from the textbook in exactly five and a half minutes. However, he needs one and a half minutes rest after solving each problem. How many problems can Ian solve completely during one math class? Show your steps.
18. At a grocery store, you can buy 1 container of cashews for \$2.75 but you can buy 5 containers for \$13.60. Which is better value for money? Show your steps.

19. If a train leaves Brampton at 4.37am on Sunday and arrives in California at 3.02am on Monday, how long does the journey last? Show your steps.

20. Salina is taking jelly beans from a jar. She has taken half of the jelly beans and gives 25% of it to Sean. Sean has 25 jelly beans. How many jelly beans were in the jar? Explain your thinking.