TEACHER'S NAME:

NAME:

Class:

2.1 SIGNIFICANT FIGURES

Instructions: Write answers in the spaces provided.

1. **Round off 46 360 correct to 3 significant figures.**

2. **Round off 0.03493 correct to 2 significant figures.**

3. **Find the value of** $43.2 \times 0.6 + 7.36$ **correct to 3 significant figures**

4. **Find the value of** $85 \div 1.7 - 3.086$ **correct to 3 significant figures**

2.2 STANDARD FORM

5. **Write the number below in standard form. (Instructions: Choose 1 answer)**

Numbers	Standard Form
29 000	2.9×10^4 or 2.9×10^{-4}
173 000	1.73×10^{-5} or 1.73×10^5
0.3075	3.075×10^{-1} or 3.075×10^1
0.000009	9.0×10^{-6} or 9.0×10^6

6. **Wrrite the following as a single numbers.**
   (Instructions : Write the answers)

Nombor	Bentuk piawai
9.5×10^4	
3.62×10^3	
1.83×10^{-2}	
7.046×10^{-4}	

7. **Find the value of** $5.2 \times 10^3 \times 4.8 \times 10^{-5}$ **and give answers in standard form.**
   (Choose answer)
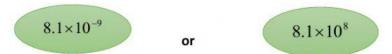
   2.496×10^{-1} or 2.496×10^{-3}

8. **Find the value of** $\dfrac{3.2 \times 10^2}{4 \times 10^{-3}}$ **and give answers in standard form.** **(Choose answer)**

   8.0×10^5 or 8.0×10^4

9. **Find the value of** $9.6 \times 10^4 + 18000$ **and give answers in standard form.**
   (Choose answer)

   1.14×10^5 or 1.14×10^7

10. **Find the value of** $\left(0.9 \times 10^{-4}\right)^2$ **and give answers in standard form.** **(Choose answer)**

    8.1×10^{-9} or 8.1×10^8

11. **Find the value of** $10^{-4} - 4.4 \times 10^{-5}$ **and give answers in standard form.**
    (Choose answers)

    5.6×10^6 or 5.6×10^{-5}

12. **Find the value of** $\dfrac{6500}{1.3 \times 10^5}$ **and give answers in standard form.** **(Choose answers)**

    5.0×10^{-2} or 5.0×10^3

13. **Solve the following problems. Giveni** $\sqrt{11} = 3.32$ **(3 s.f)**

    Find the value of the following correct to 3 significant figures.

    (Write answers in the spaces provided)

(a) $\sqrt{539}$

(b) $\sqrt{1331}$

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_____

14. Calculate the value of $\dfrac{15.9 + 0.21}{1.88 - 0.38}$ **correct to 2 significant figures.** (Choose 1 answer)

| 10 | 11 | 12 | 13 |

15. Find the value of $\sqrt{3 \times 10^{-5}} \times \sqrt{27 \times 10^{-3}}$ **in standard form.** (Choose 1 answer)

| 8.4×10^{6} | 6.9×10^{5} | 7.2×10^{-5} | 9×10^{-4} |

16. Convert 36 cm to km and give answer in standard form. (Choose 1 answer)

| $3.6 \times 10^{-4}\,km$ | $4.2 \times 10^{-3}\,km$ | $5.1 \times 10^{4}\,km$ | $6.3 \times 10^{3}\,km$ |