

Student Name: _____

Date: _____

NS4.1

1. Express 240 as a product of its prime factors.

2. Estimate the value of

$$\sqrt[3]{208}$$

to the nearest whole number.

3. Find the 4th triangular number.

4. Evaluate $348 \div 37$

Give the remainder as a fraction in its simplest form.

NS4.2

5. $4 + (-8) - 10 =$

6. $2 \div (-2) \times (-6) =$

NS4.3

7. Find the HCF of 45 and 50.

8. Find the LCM of 10 and 4.

9. $5 \frac{5}{8} + 2 \frac{9}{10}$

10. $2 \frac{2}{5} \times 3 \frac{9}{10}$

11.

$$5 \frac{1}{2} \div 2 \frac{1}{2}$$

12.

Diesel costs \$1.43 /L. How much would 9.6 L cost (to the nearest cent)?

13.

$$399 \div 0.02 =$$

14.

Write $\frac{7}{8}$ as a percentage.

Give your answer to the nearest percentage if necessary.

15.

Write 2.06 as a mixed numeral in its simplest form.

16.

Find $\frac{5}{8}$ of \$480.

17.

Decrease \$530 by 60%.

18.

Write the ratio

$$\frac{1}{7} : 1$$

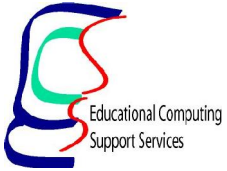
in its simplest form.

19.

Charles and Camilla divide \$500 in the ratio 7:3. How much does Charles receive?

20.

Find the average speed in km/h when 10 km is travelled in 10 minutes.



NUMBER SKILLS
Stage 4 - Diagnostic Test Answers

Student Name:

Date:

Answers

1. $2^4 \times 3 \times 5$

11. $2\frac{1}{5}$

2. 6

12. \$13.73

3. 10

13. 19 950

4. $9\frac{15}{37}$

14. 88%

5. -14

15. $2\frac{3}{50}$

6. 6

16. \$300

7. 5

17. \$212

8. 20

18. 1 : 7

9. $8\frac{21}{40}$

19. \$350

10. $9\frac{9}{25}$

20. 60 km/hr