

Student Name: _____

Date: _____

NS4.1

1. Express 180 as a product of its prime factors.

2. Estimate the value of

$$\sqrt[3]{981}$$

to the nearest whole number.

3. Find the 7th composite number.

4. Evaluate $416 \div 24$

Give the remainder as a fraction in its simplest form.

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	/	

NS4.2

5. $19 + (-12) - (-2) =$

6. $-7 \times 9 \div (-7) =$

NS4.3

7. Find the HCF of 60 and 18.

8. Find the LCM of 12 and 8.

9. $4 \frac{3}{8} - 2 \frac{9}{10}$

10. $5 \frac{9}{10} \times 1 \frac{1}{6}$

11.

$$4 \frac{3}{8} \div 1 \frac{1}{10}$$

12.

Lemons costs \$3.75 /kg. How much would 7.4 kg cost (to the nearest cent)?

13.

$$50.5 \div 0.2 =$$

14.

Write $\frac{7}{9}$ as a percentage.

Give your answer to the nearest percentage if necessary.

15.

Write 1.434 as a percentage (to the nearest whole percent).

16.

Find 6% of \$680.

17.

Decrease \$590 by 15%.

18.

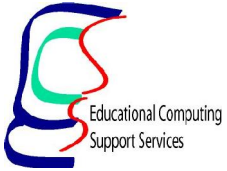
Write the ratio 0.7 : 6 in the simplest form.

19.

Jekyll and Hyde divide \$320 in the ratio 3:1. How much does Hyde receive?

20.

Find the average speed in km/h when 50 km is travelled in 10 minutes.



NUMBER SKILLS
Stage 4 - Diagnostic Test Answers

Student Name:

Date:

Answers

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

11. $3\frac{43}{44}$

2. 10

12. \$27.75

3. 14

13. 252.5

4. $17\frac{1}{3}$

14. 78%

5. 9

15. 143%

6. 9

16. \$40.80

7. 6

17. \$501.50

8. 24

18. 7 : 60

9. $1\frac{19}{40}$

19. \$80

10. $6\frac{53}{60}$

20. 300 km/hr